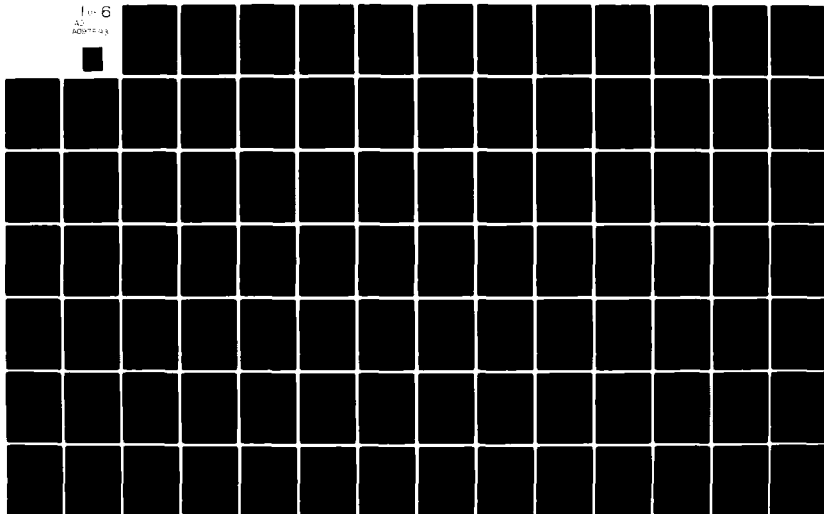


AD-A097 893

KINNETIC LABS INC SANTA CRUZ CA F/G 8/8  
IN-SITU FIELD DATA GATHERING STATIONS, SAN FRANCISCO BAY-DELTA,---ETC(U)  
MAR 81 DACW07-78-C-0049  
UNCLASSIFIED KLI-81-1-APP-12 NL

1-6  
AD-A097 893





AD A 097893

IN-SITU FIELD DATA GATHERING STATIONS,  
SAN FRANCISCO BAY-DELTA  
SALINITY INTRUSION WITH NAVIGATION CHANNELS

Contract No. DACW07-78-C-0049

FINAL REPORT.

APPENDIX 12.

APR 17 1981

To: Department of the Army  
San Francisco District, Corps of Engineers  
211 Main Street  
San Francisco, California 94105

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KLI-81-1-AP1-101  
16 January 1981  
Revised 18 March 1981

KINNETIC

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422992



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A 73  
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APPENDIX 12

Field Data Sheets



**Data Logger Check Sheets**



SAN PABLO - CHIEF ISLAND

## DATA LOGGER CHECK SHEET

STATION (spell out) SAN PABLO [9#] \* STATION NUMBER \* #1

CALIFORNIA

CALENDAR DATE: MONTH (spell out) February \* DAY 8th \* YEAR 1979CALIFORNIA ARRIVAL TIME 1020DEPARTURE TIME 1235

(leave blank)

RECORDER'S SIGNATURE Stephen P...

## TASKS ACCOMPLISHED ON THIS STATION VISIT

1) Visual Inspection ☐2) Instrument Check ☐3) Tape Change ☐4) Battery Change ☐5) Damage Repair ☐6) Other Meter Installation

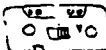
## INTERROGATION VALUES

	ZERO	+BATT	-BATT	+ID	V <sub>x</sub>	V <sub>y</sub>	DIR	-ID/DEPTH	C	T	Tr
PROBE 1 (top)											
	INTERNAL			0.6	-1.3	-1.3	257	-0.6	25.13	9.9	6A.2
PROBE 2 (mid)				0.2	-0.2	-0.2	250	-0.8	25.42	9.9	69.5
PROBE 3 (bottom)				0.9	+0.3	+1.3	232	28.67	28.12	9.72	73.3

INTERROGATION TIME 1210TIME METERS OUT OF WATER: Probe 1 N/A Probe 2 N/A Probe 3 N/ATIME OLD CASSETTE REMOVED N/AOLD CASSETTE LABEL: \* C E NA  .  ← write A or B

↑ Station Number (2 digits) ↑ Start Month (2 digits)

IS NEW TAPE IN CORRECTLY?



YES

DID YOU WRITE THE CORRECT INFORMATION

ON BOTH TAPE CASSETTES? \*



YES

DID YOU CLOSE THE LATCH?

YES

TIME RECORDER RESET 1229-50 sec 1st record 1230-0 secTIME ALL METERS SUBMERGED: Probe 3 1120 Probe 2 1135 Probe 1 1145

IF YOU HAVE SEEN THE TAPE ADVANCE, PLEASE NOTE TIME AND DATE (spell month):

YES - 1st record 1230, 8 Feb. 79

REMARKS (problems with equipment, etc.):

IT WORKS!



SAN PABLO - CHIPS ISLAND

DATA LOGGER CHECK SHEET

STATION (spell out) Carpenter Straights [dock] \* STATION NUMBER \* 2

CALIFORNIA

CALENDAR DATE: MONTH (spell out) February \* DAY 14 \* YEAR 1977CALIFORNIA ARRIVAL TIME 1600DEPARTURE TIME 1740

(leave blank)

RECORDER'S SIGNATURE Stephen Pace

## TASKS ACCOMPLISHED ON THIS STATION VISIT

1) Visual Inspection ☐3) Tape Change ☐5) Damage Repair ☐2) Instrument Check ☐4) Battery Change ☐6) Other Install METERS

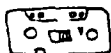
## INTERROGATION VALUES

	ZERO	+BATT	-BATT	+ID	V <sub>x</sub>	V <sub>y</sub>	DIR	-ID/DEPTH	C	T	Tr
PROBE 1 (top)	0	+12.06	-12.07	0.2	-68	+4	142	-0.2	18.36	10.97	24.7
PROBE 2 (mid)	0	+12.06	-12.07	1.4	-76	+5	136	-1.4	18.78	10.57	25.3
PROBE 3 (bottom)	0	+12.56	-12.07	1.0	-11	+2	183	22.89	18.98	10.62	29.9

INTERROGATION TIME 1710 10.8TIME METERS OUT OF WATER: Probe 1 N/A Probe 2 N/A Probe 3 N/ATIME OLD CASSETTE REMOVED N/AOLD CASSETTE LABEL: \* C E ☐ ☐ ☐ ☐ ← write A or B

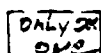
↑ Station Number (2 digits) ↑ Start Month (2 digits)

IS NEW TAPE IN CORRECTLY?



DID YOU WRITE THE CORRECT INFORMATION

ON BOTH TAPE CASSETTES? \*



DID YOU CLOSE THE LATCH?

TIME RECORDER RESET 1730:00TIME ALL METERS SUBMERGED: Probe 3 1630 Probe 2 1640 Probe 1 1650

IF YOU HAVE SEEN THE TAPE ADVANCE, PLEASE NOTE TIME AND DATE (spell month):

1730:10

REMARKS (problems with equipment, etc.):



SAN PABLO - CHIPS ISLAND

DATA LOGGER CHECK SHEET

STATION (spell out) Benicia I-1 \* STATION NUMBER \* 3

CALIFORNIA

CALENDAR DATE: MONTH (spell out) February \* DAY 9 \* YEAR 1979 \*CALIFORNIA ARRIVAL TIME 1200DEPARTURE TIME 1345

(leave blank)

RECORDER'S SIGNATURE Stephen T. Lee

## TASKS ACCOMPLISHED ON THIS STATION VISIT

1) Visual Inspection ☐2) Instrument Check ☐3) Tape Change ☐4) Battery Change ☐5) Damage Repair ☐6) Other meter installation

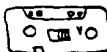
## INTERROGATION VALUES

	ZERO	+BATT	-BATT	+ID	V <sub>x</sub>	V <sub>y</sub>	DIR	-ID/DEPTH	C	T	Tr
PROBE 1 (top)	0	+12.06	-12.08	1.5	-1.0	+1.9	254	1.5	13.6	9.3	31.5
PROBE 2 (mid)	0	+12.06	-12.08	.50	.01	+.05	79	.5	15.88	9.35	31.0
PROBE 3 (bottom)	0	+12.06	-12.08	+.4	+.06	+.01	75	28.8	16.00	9.40	15.0

INTERROGATION TIME 1325TIME METERS OUT OF WATER: Probe 1 N/A Probe 2 N/A Probe 3 N/ATIME OLD CASSETTE REMOVED N/AOLD CASSETTE LABEL: \* ☐ C ☐ E ☐ N/A ☐ ☐ ← write A or B

↑ Station Number (2 digits) ↑ Start Month (2 digits)

IS NEW TAPE IN CORRECTLY?



DID YOU WRITE THE CORRECT INFORMATION

ON BOTH TAPE CASSETTES? \*



DID YOU CLOSE THE LATCH?

TIME RECORDER RESET 1332:50 secTIME ALL METERS SUBMERGED: Probe 3 1300 Probe 2 1316 Probe 1 1320

IF YOU HAVE SEEN THE TAPE ADVANCE, PLEASE NOTE TIME AND DATE (spell month):

SAW TAPE ADVANCE 10 sec After Reset

REMARKS (problems with equipment, etc.):



SAN PABLO - CHIPS ISLAND

## DATA LOGGER CHECK SHEET

STATION (spell out) P.O. Chicago [5-19] \* STATION NUMBER \* 4

CALIFORNIA

CALENDAR DATE: MONTH (spell out) February \* DAY 14 \* YEAR 1979CALIFORNIA ARRIVAL TIME 1340DEPARTURE TIME 1415

(leave blank)

RECORDER'S SIGNATURE Stephen Pace

## TASKS ACCOMPLISHED ON THIS STATION VISIT

- |                      |                          |                     |                           |
|----------------------|--------------------------|---------------------|---------------------------|
| 1) Visual Inspection | <input type="checkbox"/> | 2) Instrument Check | <input type="checkbox"/>  |
| 3) Tape Change       | <input type="checkbox"/> | 4) Battery Change   | <input type="checkbox"/>  |
| 5) Damage Repair     | <input type="checkbox"/> | 6) Other            | <u>PETER INSTALLATION</u> |

## INTERROGATION VALUES

	ZERO	+BATT	-BATT	+ID	V <sub>x</sub>	V <sub>y</sub>	DIR	-ID/DEPTH	C	T	Tr
PROBE 1 (top)	0	412.03	-12.05	0.7	1.2	-3	216	0.7	3.8	9.8	1.6
PROBE 2 (mid)	0	412.03	-12.05	0.1	1.8	-3	114	0.1	3.98	9.87	3.1
PROBE 3 (bottom)	0	412.03	-12.05	1.2	1.5	-2	1.7?	34.25	4.4	9.96	0.8

INTERROGATION TIME 1345TIME METERS OUT OF WATER: Probe 1 N/A Probe 2 N/A Probe 3 N/ATIME OLD CASSETTE REMOVED N/AOLD CASSETTE LABEL: \* C E ☐ ☐ ☐ ☐ ← write A or B

↑ Station Number (2 digits)    ↑ Start Month (2 digits)

IS NEW TAPE IN CORRECTLY? ☒ DID YOU WRITE THE CORRECT INFORMATIONON BOTH TAPE CASSETTES? \* ☒ DID YOU CLOSE THE LATCH? ☒TIME RECORDER RESET 1120:50 1359:50TIME ALL METERS SUBMERGED: Probe 3 1110 Probe 2 1120 Probe 1 1130

IF YOU HAVE SEEN THE TAPE ADVANCE, PLEASE NOTE TIME AND DATE (spell month):

1400:00

REMARKS (problems with equipment, etc.):

check Dir value on probe #3



SAN PABLO - CHIPS ISLAND

DATA LOGGER CHECK SHEET

STATION (spell out) Chips Island [27] \* STATION NUMBER \* 5

CALIFORNIA

CALENDAR DATE: MONTH (spell out) February \* DAY 14 \* YEAR 1979 \*CALIFORNIA ARRIVAL TIME 1200DEPARTURE TIME 1315

(leave blank)

RECORDER'S SIGNATURE Stephen Pace

## TASKS ACCOMPLISHED ON THIS STATION VISIT

1) Visual Inspection ☐3) Tape Change ☐5) Damage Repair ☐2) Instrument Check ☐4) Battery Change ☐6) Other INSTALL METERS

## INTERROGATION VALUES

	ZERO	+BATT	-BATT	+ID	V <sub>x</sub>	V <sub>y</sub>	DIR	-ID/DEPTH	C	T	Tr
PROBE 1 (top)	0	+12.1	-12.1	+3	-8	7	265	.3	1.4	9.9	.1
PROBE 2 (mid)	0	+12.1	-12.1	+1.7	-8.5	5	270	1.7	1.4	10.1	.4
PROBE 3 (bottom)	0	+12.1	-12.1	+1.6	-8	2	270	19.4	1.4	10.2	.1

INTERROGATION TIME 1257TIME METERS OUT OF WATER: Probe 1 N/A Probe 2 N/A Probe 3 N/ATIME OLD CASSETTE REMOVED N/AOLD CASSETTE LABEL: \* C E ☐ ☐ ☐ ☐ ← write A or B

↑ Station Number (2 digits)    ↑ Start Month (2 digits)

IS NEW TAPE IN CORRECTLY?



DID YOU WRITE THE CORRECT INFORMATION

ON BOTH TAPE CASSETTES? \*



DID YOU CLOSE THE LATCH?

TIME RECORDER RESET 1301:28TIME ALL METERS SUBMERGED: Probe 3 1220 Probe 2 1230 Probe 1 1240

IF YOU HAVE SEEN THE TAPE ADVANCE, PLEASE NOTE TIME AND DATE (spell month):

1301:38

REMARKS (problems with equipment, etc.):



SAN PABLO - CHIPS ISLAND

DATA LOGGER CHECK SHEET

STATION (spell out) Gizz'ly Bay [Dolphin] \* STATION NUMBER \* 6

CALIFORNIA

CALENDAR DATE: MONTH (spell out) February \* DAY 9 \* YEAR 1979CALIFORNIA ARRIVAL TIME 1635DEPARTURE TIME 1710

(leave blank)

RECORDER'S SIGNATURE Stephen Pace

## TASKS ACCOMPLISHED ON THIS STATION VISIT

1) Visual Inspection ☐3) Tape Change ☐5) Damage Repair ☐2) Instrument Check ☐4) Battery Change ☐6) Other METER INSTALLATION

## INTERROGATION VALUES

PROBE 1 (top)

PROBE 2 (mid)

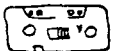
PROBE 3 (bottom)

ZERO	+BATT	-BATT	+ID	V <sub>x</sub>	V <sub>y</sub>	DIR	-ID/DEPTH	C	T	Tr
0	12.1	12.1	1.3	-	-	-	1.3	1.69	8.94	9.3

INTERROGATION TIME 1650TIME METERS OUT OF WATER: Probe 1 N/A Probe 2 N/A Probe 3 N/ATIME OLD CASSETTE REMOVED N/AOLD CASSETTE LABEL: \* ☐ C ☒ E ☐ . ☐ ← write A or B

↑ Station Number (2 digits)    ↑ Start Month (2 digits)

IS NEW TAPE IN CORRECTLY?



DID YOU WRITE THE CORRECT INFORMATION

ON BOTH TAPE CASSETTES? \*



DID YOU CLOSE THE LATCH?

TIME RECORDER RESET 16:59:50 secTIME ALL METERS SUBMERGED: Probe 3 1645 Probe 2 N/A Probe 1 N/A

IF YOU HAVE SEEN THE TAPE ADVANCE, PLEASE NOTE TIME AND DATE (spell month):

17002/9/79

REMARKS (problems with equipment, etc.):



## SAN PABLO - CHIPS ISLAND

## DATA LOGGER CHECK SHEET

STATION (spell out) San Pablo I#97 \* STATION NUMBER \* 1

CALIFORNIA

CALENDAR DATE: MONTH (spell out) February \* DAY 15 \* YEAR 1979 \*CALIFORNIA ARRIVAL TIME 1100DEPARTURE TIME 1145

(leave blank)

RECORDER'S SIGNATURE Stephen Pace

## TASKS ACCOMPLISHED ON THIS STATION VISIT

1) Visual Inspection ☐2) Instrument Check ☒3) Tape Change ☐4) Battery Change ☐5) Damage Repair ☒

6) Other \_\_\_\_\_

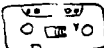
## INTERROGATION VALUES

	ZERO	+BATT	-BATT	+ID	V <sub>x</sub>	V <sub>y</sub>	DIR	-ID/DEPTH	C	T	Tr
PROBE 1 (top) INTERNAL		+11.5	-11.5	0.6	-1	-0.6	270	.6	18.9	10.35	48.3
PROBE 2 (mid) EXTERNAL		12.2	12.3	0.8	-7	+3.3	272	8	22.28	10.55	59.1
PROBE 3 (bottom)				0.9	-5	+2	269	16.9	24.32	10.25	38.0

INTERROGATION TIME 1145TIME METERS OUT OF WATER: Probe 1 N/A Probe 2 N/A Probe 3 N/ATIME OLD CASSETTE REMOVED N/AOLD CASSETTE LABEL: \* C E ☐ ☐ ☐ ☐ ← write A or B

↑ Station Number (2 digits)    ↑ Start Month (2 digits)

IS NEW TAPE IN CORRECTLY?



DID YOU WRITE THE CORRECT INFORMATION



ON BOTH TAPE CASSETTES? \*



DID YOU CLOSE THE LATCH?

TIME RECORDER RESET N/ATIME ALL METERS SUBMERGED: Probe 3 N/A Probe 2 N/A Probe 1 N/A

IF YOU HAVE SEEN THE TAPE ADVANCE, PLEASE NOTE TIME AND DATE (spell month):

1135

REMARKS (problems with equipment, etc.):

Note Depth on probe #3!?



SAN PABLO - CHIPS ISLAND

DATA LOGGER CHECK SHEET

STATION (spell out) San Pablo [9] \* STATION NUMBER \* 1

CALIFORNIA

CALENDAR DATE: MONTH (spell out) February \* DAY 28 \* YEAR 79 \*

CALIFORNIA ARRIVAL TIME 0930

DEPARTURE TIME \_\_\_\_\_

(leave blank)

RECORDER'S SIGNATURE Roger McDonald

TASKS ACCOMPLISHED ON THIS STATION VISIT

- |  |   |
|--|---|
| 1) Visual Inspection <input type="checkbox"/>      | 2) Instrument Check <input checked="" type="checkbox"/> |
| 3) Tape Change <input checked="" type="checkbox"/> | 4) Battery Change <input type="checkbox"/>              |
| 5) Damage Repair <input type="checkbox"/>          | 6) Other _____  |

*Power checked by disconnecting lead from box & may be another cord or data shift*

INTERROGATION VALUES

	ZERO	+BATT	-BATT	+ID	V <sub>x</sub>	V <sub>y</sub>	DIR	-ID/DEPTH	C	T	Tr
PROBE 1 (top) <i>internal</i>	0	+0.05	+0.07	0.6	4.3	-0.2	244	0.6	3.1	1035	1.3
PROBE 2 (mid) <i>external</i>		12.12	12.13	0.6	4.6	+0.07	245	0.8	4.2	1042	41.8
PROBE 3 (bottom)				0.9	-27	+0.3	230	13.6	7.9	1020	5.4

INTERROGATION TIME 0935

TIME METERS OUT OF WATER: Probe 1 NA Probe 2 NA Probe 3 NA

TIME OLD CASSETTE REMOVED 0925

OLD CASSETTE LABEL: \* 

C E	01	02
-----	----	----

 . 

13
----

 ← write A or B

↑ Station Number (2 digits)    ↑ Start Month (2 digits)

IS NEW TAPE IN CORRECTLY? ☒ YES DID YOU WRITE THE CORRECT INFORMATION

ON BOTH TAPE CASSETTES? \* ☒ YES DID YOU CLOSE THE LATCH? ☒ YES

TIME RECORDER RESET 0930

TIME ALL METERS SUBMERGED: Probe 3 NA Probe 2 NA Probe 1 NA

IF YOU HAVE SEEN THE TAPE ADVANCE, PLEASE NOTE TIME AND DATE (spell month):

YES 0930 28 February 1979

REMARKS (problems with equipment, etc.):

*depth probe seems shallower ??  
28' upon init., 2 hrs later: 16', today 13' ??*



SAN PABLO - CHIPS ISLAND

DATA LOGGER CHECK SHEET

STATION (spell out) Carpinez Straits (dock) \* STATION NUMBER \* 2

CALIFORNIA

CALENDAR DATE: MONTH (spell out) February \* DAY 28 \* YEAR 79 \*CALIFORNIA ARRIVAL TIME 1025

DEPARTURE TIME \_\_\_\_\_

(leave blank)

RECORDER'S SIGNATURE Rhp m Donald

## TASKS ACCOMPLISHED ON THIS STATION VISIT

1) Visual Inspection ☐3) Tape Change ☒5) Damage Repair ☐2) Instrument Check ☒4) Battery Change ☐

6) Other \_\_\_\_\_

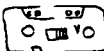
## INTERROGATION VALUES

	ZERO	+BATT	-BATT	+ID	V <sub>x</sub>	V <sub>y</sub>	DIR	-ID/DEPTH	C	T	Tr
PROBE 1 (top) <sup>internal</sup>	0	+12.02	12.04	0.2	+0.2	-0.4	152	0.2	.25	10.11	0.2
PROBE 2 (mid) <sup>external</sup>		11.9	12.5	1.4	-0.02	10.1	149	1.4	.25	10.13	0.4
PROBE 3 (bottom)				1.0	-0.1	-0.03	177	16.81	.25	10.10	0.1

INTERROGATION TIME 1035TIME METERS OUT OF WATER: Probe 1 NA Probe 2 NA Probe 3 NATIME OLD CASSETTE REMOVED 1025OLD CASSETTE LABEL: \* C E 02 02 . B ← write A or B

↑ Station Number (2 digits) ↑ Start Month (2 digits)

IS NEW TAPE IN CORRECTLY?

yes

DID YOU WRITE THE CORRECT INFORMATION

ON BOTH TAPE CASSETTES? \*

yes

DID YOU CLOSE THE LATCH?

YESTIME RECORDER RESET 1030TIME ALL METERS SUBMERGED: Probe 3 NA Probe 2 NA Probe 1 NA

IF YOU HAVE SEEN THE TAPE ADVANCE, PLEASE NOTE TIME AND DATE (spell month):

YES, 1030, 28 Feb 78

REMARKS (problems with equipment, etc.):

all ok



SAN PABLO - CHIPS ISLAND

DATA LOGGER CHECK SHEET

STATION (spell out) Beneria/Martinez Bridge (6) \* STATION NUMBER \* 3

CALIFORNIA

CALENDAR DATE: MONTH (spell out) February \* DAY 28 \* YEAR 79CALIFORNIA ARRIVAL TIME 1112DEPARTURE TIME 1135

(leave blank)

RECORDER'S SIGNATURE Dr. M. Donald

## TASKS ACCOMPLISHED ON THIS STATION VISIT

- 1) Visual Inspection ☐
- 3) Tape Change ☒
- 5) Damage Repair ☐

- 2) Instrument Check ☒
- 4) Battery Change ☐
- 6) Other \_\_\_\_\_

## INTERROGATION VALUES

	ZERO	+BATT	-BATT	+ID	V <sub>x</sub>	V <sub>y</sub>	DIR	-ID/DEPTH	C	T	Tr
PROBE 1 (top) <u>ext</u>	<u>0</u>	<u>11.87</u>	<u>12.15</u>	<u>1.5</u>	<u>-6</u>	<u>+10</u>	<u>226</u>	<u>1.5</u>	<u>0.20</u>	<u>10.4</u>	<u>5.1</u>
PROBE 2 (mid)				<u>0.5</u>	<u>+6.1</u>	<u>-0.1</u>	<u>55</u>	<u>0.5</u>	<u>0.18</u>	<u>10.37</u>	<u>6.0</u>
PROBE 3 (bottom)				<u>0.4</u>	<u>+3.3</u>	<u>-0.9</u>	<u>65</u>	<u>27.93</u>	<u>0.19</u>	<u>10.4</u>	<u>3.6</u>

INTERROGATION TIME 1116TIME METERS OUT OF WATER: Probe 1 NA Probe 2 NA Probe 3 NATIME OLD CASSETTE REMOVED 1125OLD CASSETTE LABEL: \* 

C	E	03	02	B
---	---	----	----	---

 ← write A or B

↑ Station Number (2 digits)    ↑ Start Month (2 digits)

IS NEW TAPE IN CORRECTLY? ☒ YES DID YOU WRITE THE CORRECT INFORMATIONON BOTH TAPE CASSETTES? \* ☒ YES DID YOU CLOSE THE LATCH? ☒TIME RECORDER RESET 1130TIME ALL METERS SUBMERGED: Probe 3 NA Probe 2 NA Probe 1 NA

IF YOU HAVE SEEN THE TAPE ADVANCE, PLEASE NOTE TIME AND DATE (spell month):

1130, 28 Feb 79

REMARKS (problems with equipment, etc.):

all OK



SAN PABLO - CHIPS ISLAND

DATA LOGGER CHECK SHEET

STATION (spell out) Port Chicago # 19 \* STATION NUMBER \* 4

CALIFORNIA

CALENDAR DATE: MONTH (spell out) February \* DAY 28 \* YEAR 79CALIFORNIA ARRIVAL TIME 11.55DEPARTURE TIME 1215

(leave blank)

RECORDER'S SIGNATURE Ralph M. Donald

## TASKS ACCOMPLISHED ON THIS STATION VISIT

1) Visual Inspection ☐3) Tape Change ☒5) Damage Repair ☐2) Instrument Check ☒4) Battery Change ☐

6) Other \_\_\_\_\_

## INTERROGATION VALUES

	ZERO	+BATT	-BATT	+ID	V <sub>x</sub>	V <sub>y</sub>	DIR	-ID/DEPTH	C	T	Tr
PROBE 1 (top) <sup>internal</sup>	<u>0</u>	<u>12.08</u>	<u>12.02</u>	<u>0.7</u>	<u>+3</u>	<u>+20</u>	<u>86</u>	<u>0.7</u>	<u>0.15</u>	<u>10.31</u>	<u>8.5</u>
PROBE 2 (mid) <sup>external</sup>		<u>12.1</u>	<u>12.11</u>	<u>0.1</u>	<u>-0.3</u>	<u>+0.1</u>	<u>345</u>	<u>0.1</u>	<u>0.15</u>	<u>10.07</u>	<u>7.7</u>
PROBE 3 (bottom)				<u>1.2</u>	<u>-0.6</u>	<u>+0.11</u>	<u>1.7</u>	<u>17.08</u>	<u>0.14</u>	<u>10.19</u>	<u>6.7</u>

INTERROGATION TIME 1205TIME METERS OUT OF WATER: Probe 1 NA Probe 2 NA Probe 3 NATIME OLD CASSETTE REMOVED 1158OLD CASSETTE LABEL: \* 

C	E	04	02
---	---	----	----

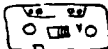
 . 

B
---

 ← write A or B

↑ Station Number (2 digits)    ↑ Start Month (2 digits)

IS NEW TAPE IN CORRECTLY?

Yes

DID YOU WRITE THE CORRECT INFORMATION

ON BOTH TAPE CASSETTES? \*



DID YOU CLOSE THE LATCH?

YesTIME RECORDER RESET 1200TIME ALL METERS SUBMERGED: Probe 3 NA Probe 2 NA Probe 1 NA

IF YOU HAVE SEEN THE TAPE ADVANCE, PLEASE NOTE TIME AND DATE (spell month):

YES - 1200, 28 Feb 79

REMARKS (problems with equipment, etc.):

stand-off pretty hard in down river direction! - data on cassette recorded at 1 sec intervals



## DATA LOGGER CHECK SHEET

DEPARTURE TIME 1250

RECORDER'S SIGNATURE *Russ McDonald*

6) Other

— battery power very low & sc'avg depth reading



## CORPS OF ENGINEERS PROJECT LEWIS-78-C-0049

SAN PABLO - CHIPS ISLAND

DATA LOGGER CHECK SHEET

STATION (spell out) Grizzly Bay [Edolphin] \* STATION NUMBER \* 6

CALIFORNIA

CALENDAR DATE: MONTH (spell out) February \* DAY 28 \* YEAR 1979 \*CALIFORNIA ARRIVAL TIME 1323DEPARTURE TIME 1339

(leave blank)

RECORDER'S SIGNATURE Russ McDonald

## TASKS ACCOMPLISHED ON THIS STATION VISIT

- |                      |                                     |                     |                                     |
|----------------------|-------------------------------------|---------------------|-------------------------------------|
| 1) Visual Inspection | <input type="checkbox"/>            | 2) Instrument Check | <input checked="" type="checkbox"/> |
| 3) Tape Change       | <input checked="" type="checkbox"/> | 4) Battery Change   | <input type="checkbox"/>            |
| 5) Damage Repair     | <input type="checkbox"/>            | 6) Other            |                                     |

## INTERROGATION VALUES

	ZERO	+BATT	-BATT	+ID	V <sub>x</sub>	V <sub>y</sub>	DIR	-ID/DEPTH	C	T	Tr
PROBE 1 (top) <i>internal</i>		12.00	12.1	1.3	-	-	-	1.3	0.14	99	4.0
PROBE 2 (mid) <i>external</i>		12.14	12.46								
PROBE 3 (bottom)											

INTERROGATION TIME 1334TIME METERS OUT OF WATER: Probe 1 NA Probe 2 NA Probe 3 NA

TIME OLD CASSETTE REMOVED

 OLD CASSETTE LABEL: \* 

C E	06	02	B
-----	----	----	---

 ← write A or B  
 ↑ Station Number (2 digits)    ↑ Start Month (2 digits)
IS NEW TAPE IN CORRECTLY? ☒ YES DID YOU WRITE THE CORRECT INFORMATIONON BOTH TAPE CASSETTES? \* ☒ YES DID YOU CLOSE THE LATCH? ☒ YESTIME RECORDER RESET 1330TIME ALL METERS SUBMERGED: Probe 3 NA Probe 2 NA Probe 1 NA

IF YOU HAVE SEEN THE TAPE ADVANCE, PLEASE NOTE TIME AND DATE (spell month):

1330, 28 Feb 79

REMARKS (problems with equipment, etc.):

*all seems ok but covered in  
Bird S---*



SAN PABLO - CHIPS ISLAND

DATA LOGGER CHECK SHEET

STATION (spell out) San Pablo (#9) \* STATION NUMBER \* 1

CALIFORNIA

CALENDAR DATE: MONTH (spell out) March \* DAY 19 \* YEAR 1979 \*CALIFORNIA ARRIVAL TIME 1230DEPARTURE TIME 1450

(leave blank)

RECORDER'S SIGNATURE Ralph M. Donald

## TASKS ACCOMPLISHED ON THIS STATION VISIT

- |                      |                                     |                     |                                     |
|----------------------|-------------------------------------|---------------------|-------------------------------------|
| 1) Visual Inspection | <input checked="" type="checkbox"/> | 2) Instrument Check | <input checked="" type="checkbox"/> |
| 3) Tape Change       | <input checked="" type="checkbox"/> | 4) Battery Change   | <input checked="" type="checkbox"/> |
| 5) Damage Repair     | <input type="checkbox"/>            | 6) Other            | <u>New Zincs, New cable clamps</u>  |

## INTERROGATION VALUES

	ZERO	+BATT	-BATT	+ID	V <sub>x</sub>	V <sub>y</sub>	DIR	-ID/DEPTH	C	T	Tr
PROBE 1 (top)	external	+12.68	-12.50	0.6	-.75	-.69	190	0.6	20.4	12.64	12.65
PROBE 2 (mid)	internal	+12.10	-12.13	0.8	-.4	-.11	245	.28	24.15	12.46	143
PROBE 3 (bottom)				1.1	-.14	-.59	172	27.03	24.53	12.77	0.0

INTERROGATION TIME 1435-1440TIME METERS OUT OF WATER: Probe 1 1300 Probe 2 1315 Probe 3 1345TIME OLD CASSETTE REMOVED 1250

OLD CASSETTE LABEL: \* 

C E	01	03
-----	----	----

 . 

A
---

 ← write A or B

↑ Station Number    ↑ Start Month  
(2 digits)                      (2 digits)

IS NEW TAPE IN CORRECTLY? ☒ yes DID YOU WRITE THE CORRECT INFORMATIONON BOTH TAPE CASSETTES? \* ☒ DID YOU CLOSE THE LATCH? ☒TIME RECORDER RESET 1430TIME ALL METERS SUBMERGED: Probe 3 1410 Probe 2 1415 Probe 1 1420

IF YOU HAVE SEEN THE TAPE ADVANCE, PLEASE NOTE TIME AND DATE (spell month):

Yes 1430 3/19/79

REMARKS (problems with equipment, etc.):

turbidity sensor look bad!



SAN PABLO - CHIPS ISLAND

DATA LOGGER CHECK SHEET

TATION (spell out) Corquinez Straits (dock) \* STATION NUMBER \* 2  
 CALIFORNIA  
 CALENDER DATE: MONTH (spell out) March \* DAY 19 \* YEAR 1979 \*  
 CALIFORNIA ARRIVAL TIME 1600 PDT  
 DEPARTURE TIME 1820 PDT

(leave blank)

RECORDER'S SIGNATURE

Robert A. Sellers

## TASKS ACCOMPLISHED ON THIS STATION VISIT

1) Visual Inspection

☒

2) Instrument Check

☒

3) Tape Change

☒

4) Battery Change

☒

5) Damage Repair

☒

6) Other

New Wire Clothesline + Hardware

## INTERROGATION VALUES

	ZERO	+BATT	-BATT	+ID	V <sub>x</sub>	V <sub>y</sub>	DIR	-ID/DEPTH	C	T	Tr
PROBE 1 (top)	0	12.05	12.7	0.2	-0.2	0.25	150	0.2	9.25	13.36	48.9
PROBE 2 (mid)	0	"	"	1.4	-1.3	0.03	140	1.4	11.02	13.70	20.5
PROBE 3 (bottom)	0	"	"	1.0	0.03	-0.03	174	13.42	15.43	13.35	2.1

INTERROGATION TIME

1810 - 1815

\* STRANGE!

TIME METERS OUT OF WATER:

Probe 1

1m

Probe 2

1m

Probe 3

1m

TIME OLD CASSETTE REMOVED

16:30

OLD CASSETTE LABEL: \*

C E

02

03

A

← write A or B

↑ Station Number ↑ Start Month  
 (2 digits) (2 digits)

IS NEW TAPE IN CORRECTLY?

☒☒

DID YOU WRITE THE CORRECT INFORMATION

ON BOTH TAPE CASSETTES? \*

☒

DID YOU CLOSE THE LATCH?

☒

TIME RECORDER RESET

1800 - 1820, used at 1830 though

TIME ALL METERS SUBMERGED:

Probe 3

1730

Probe 2

1745

Probe 1

1800

IF YOU HAVE SEEN THE TAPE ADVANCE, PLEASE NOTE TIME AND DATE (spell month):

REMARKS (problems with equipment, etc.): Batteries apparently dead. Recorder not advancing after several hours of tape running, used up change - suspect not much data loss



## CORPS OF ENGINEERS PROJECT DAW07-78-C-0049

SAN PABLO - CHIPS ISLAND

DATA LOGGER CHECK SHEET

STATION (spell out) Bancroft Marine Lodge \* STATION NUMBER \* 3

CALIFORNIA

CALENDAR DATE: MONTH (spell out) March \* DAY 20 \* YEAR 1978 \*CALIFORNIA ARRIVAL TIME 0640DEPARTURE TIME 0925

(leave blank)

RECORDER'S SIGNATURE R. Selker

## TASKS ACCOMPLISHED ON THIS STATION VISIT

1) Visual Inspection ☐3) Tape Change ☒5) Damage Repair ☐2) Instrument Check ☐4) Battery Change ☒6) Other ☐

## INTERROGATION VALUES

	ZERO	+BATT	-BATT	+ID	V <sub>x</sub>	V <sub>y</sub>	DIR	-ID/DEPTH	C	T	Tr
PROBE 1 (top)		12.4	12.6	1.5	1.5	1.45	300	1.5	7.20	13.13	15.2
PROBE 2 (mid)				.5	1.2	1.15	145	.5	10.22	13.10	22.1
PROBE 3 (bottom)				0.4	10.1	10.8	135	28.13	15.70	12.98	26.0

INTERROGATION TIME 0850TIME METERS OUT OF WATER: Probe 1 NA Probe 2 NA Probe 3 NATIME OLD CASSETTE REMOVED 0845OLD CASSETTE LABEL: \* 

C E	03	03
-----	----	----

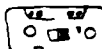
 \* 

A
---

 ← write A or B

↑ Station Number (2 digits) ↑ Start Month (2 digits)

IS NEW TAPE IN CORRECTLY?

yes

DID YOU WRITE THE CORRECT INFORMATION

ON BOTH TAPE CASSETTES? \*

yes

DID YOU CLOSE THE LATCH?

yesTIME RECORDER RESET 0900 + 1<sup>st</sup> recordTIME ALL METERS SUBMERGED: Probe 3 NA Probe 2 NA Probe 1 NA

IF YOU HAVE SEEN THE TAPE ADVANCE, PLEASE NOTE TIME AND DATE (spell month):

yes - 0900 20 March 78

REMARKS (problems with equipment, etc.): meters oscillating on line

Batteries - line looks like the anchor may be off the bottom again - NOT twisted, however!



SAN PABLO - CHIPS ISLAND

DATA LOGGER CHECK SHEET

ATION (spell out) Port Chicago (#19) \* STATION NUMBER \* 04

CALIFORNIA

CALENDAR DATE: MONTH (spell out) March \* DAY 20 \* YEAR 1977 \*CALIFORNIA ARRIVAL TIME 0950 PDTDEPARTURE TIME 10:35

(leave blank)

RECORDER'S SIGNATURE R. J. Bell

## TASKS ACCOMPLISHED ON THIS STATION VISIT

1) Visual Inspection ☐2) Instrument Check ☒3) Tape Change ☒4) Battery Change ☒5) Damage Repair ☐6) Other Recorder replacement

## INTERROGATION VALUES

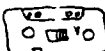
	ZERO	+BATT	-BATT	+ID	V <sub>x</sub>	V <sub>y</sub>	DIR	-ID/DEPTH	C	T	Tr
PROBE 1 (top)		12.4	12.4	0.7	0.9	-1.7	070	0.7	0.36	13.96	10.3
PROBE 2 (mid)				0.1	1.1	-1.5	315	0.1	0.37	13.97	9.5
PROBE 3 (bottom)				1.2	1.3	-1.0	002	12.07	0.33	14.13	9.6

NonSense

INTERROGATION TIME 10:15TIME METERS OUT OF WATER: Probe 1 NA Probe 2 NA Probe 3 NATIME OLD CASSETTE REMOVED 0955OLD CASSETTE LABEL: \* C E 04 03 A ← write A or B

↑ Station Number (2 digits) ↑ Start Month (2 digits)

IS NEW TAPE IN CORRECTLY?



YES

DID YOU WRITE THE CORRECT INFORMATION

ON BOTH TAPE CASSETTES? \*



DID YOU CLOSE THE LATCH?

YES

TIME RECORDER RESET 10:30 + 1st readingTIME ALL METERS SUBMERGED: Probe 3 NA Probe 2 NA Probe 1 NA

IF YOU HAVE SEEN THE TAPE ADVANCE, PLEASE NOTE TIME AND DATE (spell month):

REMARKS (problems with equipment, etc.): meter recorder not operating, even with new power supply. Installed new recorder #632228



SAN PABLO - CHIPS ISLAND

DATA LOGGER CHECK SHEET

STATION (spell out) Chips Island (#27) \* STATION NUMBER \* 05

CALIFORNIA

CALENDAR DATE: MONTH (spell out) March \* DAY 20 \* YEAR 1979 \*CALIFORNIA ARRIVAL TIME 1050 PDTDEPARTURE TIME 11:30

(leave blank)

RECORDER'S SIGNATURE R. Keller

## TASKS ACCOMPLISHED ON THIS STATION VISIT

- 1) Visual Inspection ☐
- 3) Tape Change ☒
- 5) Damage Repair ☐

- 2) Instrument Check ☒
- 4) Battery Change ☒
- 6) Other \_\_\_\_\_

## INTERROGATION VALUES

	ZERO	+BATT	-BATT	+ID	V <sub>x</sub>	V <sub>y</sub>	DIR	-ID/DEPTH	C	T	Tr
PROBE 1 (top)		1254	1264	0.3	0.75	0.75	288	0.3	0.20	14.18	13.5
PROBE 2 (mid)				1.7	0.9	0.4	290	1.7	0.20	14.13	30.0
PROBE 3 (bottom)				0.9	0.8	0.5	235	2.42	0.19	13.6	20.8

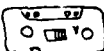
INTERROGATION TIME 11:05TIME METERS OUT OF WATER: Probe 1 NA Probe 2 NA Probe 3 NATIME OLD CASSETTE REMOVED 1055OLD CASSETTE LABEL: \* 

C E	05	03	A
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 ← — write A or B

↑ Station Number (2 digits)    ↑ Start Month (2 digits)

IS NEW TAPE IN CORRECTLY?



DID YOU WRITE THE CORRECT INFORMATION

ON BOTH TAPE CASSETTES? \*



DID YOU CLOSE THE LATCH?

TIME RECORDER RESET 1100

TIME ALL METERS SUBMERGED: Probe 3 \_\_\_\_\_ Probe 2 \_\_\_\_\_ Probe 1 \_\_\_\_\_

IF YOU HAVE SEEN THE TAPE ADVANCE, PLEASE NOTE TIME AND DATE (spell month):

REMARKS (problems with equipment, etc.): Sensors on top meter only slightly submerged  
 Lowered top meter 1-ft. to immerse it. Top meter exposed  
 Velocity readings highly variable  
 Old batteries dead.



SAN PABLO - CHIPS ISLAND

DATA LOGGER CHECK SHEET

STATION (spell out) Grizzley Bay dolphin \* STATION NUMBER \* 06

CALIFORNIA

CALENDAR DATE: MONTH (spell out) March \* DAY 20 \* YEAR 79 \*CALIFORNIA ARRIVAL TIME 1235

DEPARTURE TIME \_\_\_\_\_

(leave blank)

RECORDER'S SIGNATURE RS Allen

## TASKS ACCOMPLISHED ON THIS STATION VISIT

1) Visual Inspection ☐2) Instrument Check ☒3) Tape Change ☒4) Battery Change ☒5) Damage Repair ☐

6) Other \_\_\_\_\_

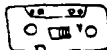
## INTERROGATION VALUES

	ZERO	+BATT	-BATT	+ID	V <sub>x</sub>	V <sub>y</sub>	DIR	-ID/DEPTH	C	T	Tr
PROBE 1 (top)		12.6	12.6	1.3	0	0	0	1.3	0.20	13.9	9.6
<del>PROBE 2</del> (mid)											
<del>PROBE 3</del> (bottom)											

INTERROGATION TIME 12:50TIME METERS OUT OF WATER: Probe 1 NA Probe 2 NA Probe 3 NATIME OLD CASSETTE REMOVED 12:40OLD CASSETTE LABEL: \* C E 06 03 . A ← write A or B

↑ Station Number    ↑ Start Month  
(2 digits)            (2 digits)

IS NEW TAPE IN CORRECTLY?

Yes

DID YOU WRITE THE CORRECT INFORMATION

ON BOTH TAPE CASSETTES? \*



DID YOU CLOSE THE LATCH?

TIME RECORDER RESET 1300TIME ALL METERS SUBMERGED: Probe 3 NA Probe 2 NA Probe 1 NA

IF YOU HAVE SEEN THE TAPE ADVANCE, PLEASE NOTE TIME AND DATE (spell month):

REMARKS (problems with equipment, etc.):



NAME (spell out) \_\_\_\_\_ STATION NUMBER \_\_\_\_\_

CALIFORNIA

CALENDAR DATE: MONTH (spell out) April DAY 4 YEAR 1979

CALIFORNIA ARRIVAL TIME 0900

DEPARTURE TIME 0950

(leave blank)

RECORDER'S SIGNATURE W. J. Johnson

TASKS ACCOMPLISHED ON THIS STATION VISIT

- |                      |                                     |                     |                                     |
|----------------------|-------------------------------------|---------------------|-------------------------------------|
| 1) Visual Inspection | <input checked="" type="checkbox"/> | 2) Instrument Check | <input type="checkbox"/>            |
| 3) Tape Change       | <input checked="" type="checkbox"/> | 4) Battery Change   | <input checked="" type="checkbox"/> |
| 5) Damage Repair     | <input type="checkbox"/>            | 6) Other            | <u>Batteries</u>                    |

INTERROGATION VALUES

	ZERO	+BATT	-BATT	+ID	V <sub>x</sub>	V <sub>y</sub>	DIR	-ID/DEPTH	C	T	Tr
PROBE 1 (top)		12.4	12.6	0.6	0.3	0.7	297	-10 -0.6	15		
PROBE 2 (mid)				0.8	0.2	0.5	295	-10 -0.8	28.8		
PROBE 3 (bottom)				1.1	0.22	0.9	297	Depth 26	29.5	12.4	

INTERROGATION TIME 0925

TIME METERS OUT OF WATER: Probe 1 \_\_\_\_\_ Probe 2 \_\_\_\_\_ Probe 3 \_\_\_\_\_

TIME OLD CASSETTE REMOVED 0915

OLD CASSETTE LABEL: \* 

CE	0153	02	R
----	------	----	---

 ← write A or B

↑ Station Number (2 digits)    ↑ Start Month (2 digits)

IS NEW TAPE IN CORRECTLY? ☒ DID YOU WRITE THE CORRECT INFORMATION? ☒

ON BOTH TAPE CASSETTES? \* ☒ DID YOU CLOSE THE LATCH? ☒

TIME RECORDER RESET 0930

TIME ALL METERS SUBMERGED: Probe 3 \_\_\_\_\_ Probe 2 \_\_\_\_\_ Probe 1 \_\_\_\_\_

IF YOU HAVE SEEN THE TAPE ADVANCE, PLEASE NOTE TIME AND DATE (spell month):

REMARKS (problems with equipment, etc.):

Batteries were dead upon arrival - some data is on the tape



DATA SHEET - CHIEF OF STATION

DATA SHEET CHECK SHEET

STATION (spell out) California STATION NUMBER 1015

CALIFORNIA

CALENDAR DATE: MONTH (spell out) April DAY 1 YEAR 1979

CALIFORNIA ARRIVAL TIME 1015

DEPARTURE TIME 1040

(leave blank)

RECORDER'S SIGNATURE Marty P. Stevenson

TASKS ACCOMPLISHED ON THIS STATION VISIT

- |                      |                                     |                     |                                     |
|----------------------|-------------------------------------|---------------------|-------------------------------------|
| 1) Visual Inspection | <input checked="" type="checkbox"/> | 2) Instrument Check | <input type="checkbox"/>            |
| 3) Tape Change       | <input checked="" type="checkbox"/> | 4) Battery Change   | <input checked="" type="checkbox"/> |
| 5) Damage Repair     | <input type="checkbox"/>            | 6) Other            |                                     |

INTERROGATION VALUES

	ZERO	+BATT	-BATT	+ID	V <sub>x</sub>	V <sub>y</sub>	DIR	-ID/DEPTH	C	T	Tr
PROBE 1 (top)		12.4	12.7	0.2	-0.6	+1.4	172	0.2	7.0	12.5	20
PROBE 2 (mid)				1.4	-0.3	+0.3	157	1.4	7.39	14.6	71.3
PROBE 3 (bottom)				1.0	-0.35	+0.7	181	25.28	7.15	14.56	7.0

INTERROGATION TIME 1025

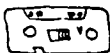
TIME METERS OUT OF WATER: Probe 1 NA Probe 2 NA Probe 3 NA

TIME OLD CASSETTE REMOVED 1020

OLD CASSETTE LABEL: \* C E 02 03 B ← write A or B

↑ Station Number (2 digits) ↑ Start Month (2 digits)

IS NEW TAPE IN CORRECTLY?



DID YOU WRITE THE CORRECT INFORMATION

ON BOTH TAPE CASSETTES? \*



DID YOU CLOSE THE LATCH?



TIME RECORDER RESET 1030

TIME ALL METERS SUBMERGED: Probe 3 NA Probe 2 NA Probe 1 NA

IF YOU HAVE SEEN THE TAPE ADVANCE, PLEASE NOTE TIME AND DATE (spell month):

1030 - 4 April 79

REMARKS (problems with equipment, etc.):

Turbidity problem on # 2  
Batteries dead!



STATION (spell out) 1105 STATION NUMBER 1105  
CALIFORNIA  
CALENDAR DATE: MONTH (spell out) April DAY 7 YEAR 1979  
CALIFORNIA ARRIVAL TIME 1105  
DEPARTURE TIME 1135

(leave blank)

RECORDER'S SIGNATURE [Signature]

TASKS ACCOMPLISHED ON THIS STATION VISIT

1) Visual Inspection ☒

3) Tape Change ☒

5) Damage Repair ☐

2) Instrument Check ☐

4) Battery Change ☒

6) Other                     

INTERROGATION VALUES

	ZERO	+BATT	-BATT	+ID	V <sub>x</sub>	V <sub>y</sub>	DIR	-ID/DEPTH	C	T	Tr
PROBE 1 (top)		127	12.4	1.5	+0.30	-1.6	310	-10 / 1.5	15.0	15.0	2.1
PROBE 2 (mid)				+1.5	-0.00	+1.1	142	-10 / 2.5	4.5	4.5	1.2
PROBE 3 (bottom)				.4	-0.15	+1.2	122	10 / 27.0	14.5	14.4	2.2

INTERROGATION TIME 1115-1120

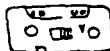
TIME METERS OUT OF WATER: Probe 1                      Probe 2                      Probe 3                     

TIME OLD CASSETTE REMOVED                     

OLD CASSETTE LABEL: \* CE 03 03 B ← write A or B

↑ Station Number (2 digits)    ↑ Start Month (2 digits)

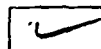
IS NEW TAPE IN CORRECTLY?



ON BOTH TAPE CASSETTES? \*



DID YOU WRITE THE CORRECT INFORMATION



DID YOU CLOSE THE LATCH?



TIME RECORDER RESET 1130

TIME ALL METERS SUBMERGED: Probe 1                      Probe 2                      Probe 3                     

IF YOU HAVE SEEN THE TAPE ADVANCE, PLEASE NOTE TIME AND DATE (spell month):

1130 - 4 April 79

REMARKS (problems with equipment, etc.):

Batteries OK



Problems with equipment, etc.):

Antidotes are not Dead - Plenty of Data on tapes. Would not load <sup>former</sup> on old tape when we first ran / in new tape it did on old batteries

2 variable values



REMARKS (problems with equipment, etc.):



1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 2676, 2677, 2678, 26

Batteries good, plenty of tape taken up



STATION (spell out) San Pedro STATION 1  
CALIFORNIA  
CALENDAR DATE: MONTH (spell out) April DAY 19 YEAR 1947

CALIFORNIA ARRIVAL TIME 0945

DEPARTURE TIME 1320

(leave blank)

RECORDER'S SIGNATURE Julia Glasgow

TASKS ACCOMPLISHED ON THIS STATION VISIT

- |                      |                                     |                     |                                     |
|----------------------|-------------------------------------|---------------------|-------------------------------------|
| 1) Visual Inspection | <input checked="" type="checkbox"/> | 2) Instrument Check | <input type="checkbox"/>            |
| 3) Tape Change       | <input checked="" type="checkbox"/> | 4) Battery Change   | <input checked="" type="checkbox"/> |
| 5) Damage Repair     | <input type="checkbox"/>            | 6) Other            |                                     |

INTERROGATION VALUES

	ZERO	+BATT	-BATT	+ID	V <sub>x</sub>	V <sub>y</sub>	DIR	-ID/DEPTH	C	T	Tr
PROBE 1 (top)		12.05	12.06	0.6	0.32	2.8	332	.6	22.13	2	20.9
PROBE 2 (mid)				.8	0.37	2.3	329	.8	23.9	13.77	3.6
PROBE 3 (bottom)				1.1	0.2	-1.1	310	23.9	27.5	13.92	0.8

INTERROGATION TIME 1055

TIME METERS OUT OF WATER: Probe 1 @ 1115 Probe 2 1130 Probe 3 1140

TIME OLD CASSETTE REMOVED 1050

OLD CASSETTE LABEL: \* 

C E	01	04	A
-----	----	----	---

 ← write A or B  
↑ Station Number (2 digits) ↑ Start Month (2 digits)

IS NEW TAPE IN CORRECTLY? ☒ DID YOU WRITE THE CORRECT INFORMATION

ON BOTH TAPE CASSETTES? \* ☐ DID YOU CLOSE THE LATCH? ☒

TIME RECORDER RESET 1230

TIME ALL METERS SUBMERGED: Probe 3 1235 Probe 2 1300 Probe 1 1310

IF YOU HAVE SEEN THE TAPE ADVANCE, PLEASE NOTE TIME AND DATE (spell month):

1230, 1300 (2 meters in water, 1 not)

REMARKS (problems with equipment, etc.): Batteries used - Tape cassette used for switch recorder → 6330227 (new) (old) = 6330223



STATION NAMES

STATION 1	San Pablo (#9)
STATION 2	Carquinez Straits (dock)
STATION 3	Benicia/Martinez Bridge (#6)
STATION 4	Port Chicago (#19)
STATION 5	Chips Island (#27)
STATION 6	Grizzley Bay (dolphin)

Probe 3 Cond. test (w/ 500HM resistor #4)

49.85



STATION (spell out) 124-05-1111 STATION NUMBER 2  
CALIFORNIA  
CALENDAR DATE: MONTH (spell out) April DAY 19 YEAR 1999  
CALIFORNIA ARRIVAL TIME 1430  
DEPARTURE TIME 1800

(leave blank)

RECORDER'S SIGNATURE Julia Kasper

TASKS ACCOMPLISHED ON THIS STATION VISIT

1) Visual Inspection ☐

2) Instrument Check ☒

3) Tape Change ☒

4) Battery Change ☒

5) Damage Repair ☐

6) Other \_\_\_\_\_

INTERROGATION VALUES

	ZERO	+BATT	-BATT	+ID	V <sub>x</sub>	V <sub>y</sub>	DIR	-ID/DEPTH	C	T	Tr
PROBE 1 (top) <sup>(new batteries)</sup>	→	12.2	-2.7	0.2	-3	+7	165	0.2	7.45	14.61	509
PROBE 2 (mid)				1.4	-4	+5	155	1.4	7.28	14.94	713
PROBE 3 (bottom)				1.0	-3	+4	181	23.7	7.45	14.90	0.2 →

INTERROGATION TIME 1455

TIME METERS OUT OF WATER: Probe 1 1510 Probe 2 1515 Probe 3 1520

TIME OLD CASSETTE REMOVED 1500 (cassette not moving)

OLD CASSETTE LABEL: \* 

C E	02	04	a
-----	----	----	---

 ← write A or B

↑ Station Number (2 digits) ↑ Start Month (2 digits)

IS NEW TAPE IN CORRECTLY? ☒

DID YOU WRITE THE CORRECT INFORMATION ☒

ON BOTH TAPE CASSETTES? \* ☒

DID YOU CLOSE THE LATCH? ☒

TIME RECORDER RESET 1731 (bottom probe in water only)

TIME ALL METERS SUBMERGED: Probe 3 1700 Probe 2 1740 Probe 1 1750

IF YOU HAVE SEEN THE TAPE ADVANCE, PLEASE NOTE TIME AND DATE (spell month):

REMARKS (problems with equipment, etc.): 1731  
cassette not moving - dead, only a little on the tape. intermittent problem with tape drive. Problems w/ turbidity sensor again - same as last time. Meter change - see sheet. Also changed cable (tur) on #1 sensor.



DATE: 1979

CALIFORNIA DATE: MONTH (spell out) April DAY 10 YEAR 1979

CALIFORNIA ARRIVAL TIME 0900

DEPARTURE TIME 1110

(Leave blank)

RESEARCHER'S SIGNATURE [Signature]

# TASKS ACCOMPLISHED ON THIS STATION VISIT

- 1) Visual Inspection ☒
- 3) Tape Change ☒
- 5) Damage Repair ☐

- 2) Instrument Check ☒
- 4) Battery Change ☒
- 6) Other

## INTERROGATION VALUES

	ZERO	+BATT	-BATT	+ID	V <sub>x</sub>	V <sub>y</sub>	DIR	-ID/DEPTH	C	T	Tr
PROBE 1 (top)		11.95	12.1	1.5	2.1	2.1	225	1.5	2.75	2.3	110
PROBE 2 (mid)				0.5	2.1	2.1	130	0.5	1.25	1.2	110
PROBE 3 (bottom)				0.4	2.1	2.1	30	0.5	1.25	1.2	110

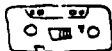
INTERROGATION TIME 0900

TIME METERS OUT OF WATER: Probe 1 0905 Probe 2 0925 Probe 3 0935

TIME OLD CASSETTE REMOVED 0858

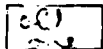
OLD CASSETTE LABEL: \* C E 03 04 . A ← write A or B  
 ↑ Station Number (2 digits) ↑ Start Month (2 digits)

IS NEW TAPE IN CORRECTLY?



DID YOU WRITE THE CORRECT INFORMATION

ON BOTH TAPE CASSETTES? \*



DID YOU CLOSE THE LATCH?



TIME RECORDER RESET

1030 1100 hrs

TIME ALL METERS SUBMERGED: Probe 3 1025 Probe 2 1040 Probe 1 1055

IF YOU HAVE SEEN THE TAPE ADVANCE, PLEASE NOTE TIME AND DATE (spell month):

1030 on 20 April 79

REMARKS (problems with equipment, etc.):

lowered system ~ 1"

Everything looks very good.  
 Battery readings are prior to changing batteries



LOCATION (spell out) \_\_\_\_\_  
CALIFORNIA  
CALENDAR DATE: MONTH (spell out) \_\_\_\_\_ DAY \_\_\_\_\_ YEAR \_\_\_\_\_

CALIFORNIA ARRIVAL TIME \_\_\_\_\_

DEPARTURE TIME \_\_\_\_\_ 1205 \_\_\_\_\_

(leave blank)

RECORDER'S SIGNATURE \_\_\_\_\_ *H. L. Stinson* \_\_\_\_\_

TASKS ACCOMPLISHED ON THIS STATION VISIT

- |                      |                                     |                     |                                     |
|----------------------|-------------------------------------|---------------------|-------------------------------------|
| 1) Visual Inspection | <input checked="" type="checkbox"/> | 2) Instrument Check | <input checked="" type="checkbox"/> |
| 3) Tape Change       | <input checked="" type="checkbox"/> | 4) Battery Change   | <input checked="" type="checkbox"/> |
| 5) Damage Repair     | <input type="checkbox"/>            | 6) Other            | _____                               |

*old external*

INTERROGATION VALUES

	ZERO	+BATT	-BATT	+ID	V <sub>x</sub>	V <sub>y</sub>	DIR	-ID/DEPTH	C	T	Tr
PROBE 1 (top)		11.5	-12.3	2.1	3.3	-1.9	909	2.1	2.60	1.1	2.1
PROBE 2 (mid)		<i>New Ex</i> +12.4	-12.65	2.2	3.4	-1.8	500	-1.2	2.69	1.52	1.1
PROBE 3 (bottom)				1.6	3.6	2.2	170	2.9	2.63	1.12	0.8
<i>when batteries</i>											
INTERROGATION TIME	1500	1520		3.6	+7.1	+7.8	3.91	-3.7	56.	53.	4.88 <i>probe 2</i>

TIME METERS OUT OF WATER: Probe 1 1553 Probe 2 \_\_\_\_\_ Probe 3 1550

TIME OLD CASSETTE REMOVED 1500

OLD CASSETTE LABEL: \* 

CE	04	04	A
----	----	----	---

 ← write A or B  
↑ Station Number (2 digits) ↑ Start Month (2 digits)

IS NEW TAPE IN CORRECTLY? ☒ *Yes* DID YOU WRITE THE CORRECT INFORMATION

ON BOTH TAPE CASSETTES? \* ☒ *old* DID YOU CLOSE THE LATCH? ☒ *Yes*

TIME RECORDER RESET 1700 (probes out of water)

TIME ALL METERS SUBMERGED: Probe 3 1730 Probe 2 \_\_\_\_\_ Probe 1 1753

IF YOU HAVE SEEN THE TAPE ADVANCE, PLEASE NOTE TIME AND DATE (spell month):

1700 April 20, 1973

REMARKS (problems with equipment, etc.):

problem w recorder - seems to have been a sticky tape  
tightened cable, took out 3 twists!



STATION (spell out)

Ships Island

STATION NUMBER

5

CALIFORNIA

CALENDAR DATE: MONTH (spell out)

April

DAY

20

YEAR

1979

CALIFORNIA ARRIVAL TIME

1215

DEPARTURE TIME

1415

(Leave blank)

RECORDER'S SIGNATURE

John Peterson

TASKS ACCOMPLISHED ON THIS STATION VISIT

1) Visual Inspection



2) Instrument Check



3) Tape Change



4) Battery Change



5) Damage Repair



6) Other

INTERROGATION VALUES

OLD external

PROBE 1 (top)

PROBE 2 (mid)

PROBE 3 (bottom)

ZERO	+BATT	-BATT	+ID	V <sub>x</sub>	V <sub>y</sub>	DIR	-ID/DEPTH	C	T	Tr
	11.86	12.24	0.3	+0.9	-1.2	333	03	0.57	1505	2.2
			1.7	+1.0	-1.3	330	1.7	0.55	15.4	1.7
			0.9	+0.8	+0.5	276	/21.6	0.55	14.3	1.4

INTERROGATION TIME

1235

TIME METERS OUT OF WATER:

Probe 1

1240

Probe 2

1250

Probe 3

1255

TIME OLD CASSETTE REMOVED

1240

OLD CASSETTE LABEL:

C E

05

04

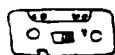
A

← write A or B

↑ Station Number  
(2 digits)

↑ Start Month  
(2 digits)

IS NEW TAPE IN CORRECTLY?



Yes

DID YOU WRITE THE CORRECT INFORMATION

ON BOTH TAPE CASSETTES?

Old

DID YOU CLOSE THE LATCH?

Yes

TIME RECORDER RESET

1330

1st

usable

at 1430

TIME ALL METERS SUBMERGED:

Probe 3

1335

Probe 2

1350

Probe 1

20 1405

IF YOU HAVE SEEN THE TAPE ADVANCE, PLEASE NOTE TIME AND DATE (spell month):

old tape 1230

20 April 1979

(noted by R. J. ...)

New tape 1330

20 April 1979

MARKS (problems with equipment, etc.):

all OK



STATION (spell out) Station 10 Station 10  
CALIFORNIA  
CALENDAR DATE: MONTH (spell out) April DAY 30 YEAR 1979  
CALIFORNIA ARRIVAL TIME 1830  
DEPARTURE TIME 1905

(leave blank)

RECORDER'S SIGNATURE \_\_\_\_\_

TASKS ACCOMPLISHED ON THIS STATION VISIT

1) Visual Inspection ☒

3) Tape Change ☒

5) Damage Repair ☐

2) Instrument Check ☒

4) Battery Change ☒

6) Other \_\_\_\_\_

INTERROGATION VALUES

	ZERO	+BATT	-BATT	+ID	V <sub>x</sub>	V <sub>y</sub>	DIR	-ID/DEPTH	C	T	Tr
PROBE 1 (top)				1.3				1.3	0.97	1.5A	0.1
PROBE 2 (mid)											
PROBE 3 (bottom)											

INTERROGATION TIME 1850

TIME METERS OUT OF WATER: Probe 1 \_\_\_\_\_ Probe 2 \_\_\_\_\_ Probe 3 \_\_\_\_\_

TIME OLD CASSETTE REMOVED 1840

OLD CASSETTE LABEL: \* 

C	E	0	6	0	4	A
---	---	---	---	---	---	---

 ← write A or B

↑ Station Number (2 digits)    ↑ Start Month (2 digits)

IS NEW TAPE IN CORRECTLY? ☒

DID YOU WRITE THE CORRECT INFORMATION ☒

ON BOTH TAPE CASSETTES? \* ☒

DID YOU CLOSE THE LATCH? ☒

TIME RECORDER RESET 1900

TIME ALL METERS SUBMERGED: Probe 3 \_\_\_\_\_ Probe 2 \_\_\_\_\_ Probe 1 \_\_\_\_\_

IF YOU HAVE SEEN THE TAPE ADVANCE, PLEASE NOTE TIME AND DATE (spell month):

1900 20 April 1979 new tape

REMARKS (problems with equipment, etc.):

Meter checked by diver



## DATA LOGGER CHECK SHEET

- users (problems with equipment, etc.):  $A^*$  appears to function properly



SAN CARLO - CHILES ISLAND

DATA LOGGER CHECK SHEET

STATION (spell out) Carguener Straits \* STATION NUMBER \* 02CALIFORNIA  
CALENDAR DATE: MONTH (spell out) May \* DAY 02 \* YEAR 79CALIFORNIA ARRIVAL TIME 1010 P.D.T.DEPARTURE TIME 10:35

(leave blank)

RECORDER'S SIGNATURE PSella

## TASKS ACCOMPLISHED ON THIS STATION VISIT

1) Visual Inspection ☐3) Tape Change ☒5) Damage Repair ☐2) Instrument Check ☒4) Battery Change ☒

6) Other \_\_\_\_\_

## INTERROGATION VALUES

	ZERO	+BATT	-BATT	+ID	V <sub>x</sub>	V <sub>y</sub>	DIR	-ID/DEPTH	C	T	Tr
PROBE 1 (top)		+12.45	-12.44	2.42	-0.37	+1.46	169	-1.7	17.5	162	435
PROBE 2 (mid)				12.43	-1.37	-0.12	110	15.37	17.68	1630	39
PROBE 3 (bottom)				10.36	-1.33	+1.39	182	24.72	17.71	1625	34

INTERROGATION TIME 1016TIME METERS OUT OF WATER: Probe 1 NA Probe 2 NA Probe 3 NATIME OLD CASSETTE REMOVED 10:25OLD CASSETTE LABEL: \* C E 02 04 \* B ← write A or B  
↑ Station Number ↑ Start Month  
(2 digits) (2 digits)

IS NEW TAPE IN CORRECTLY?

☒YES

DID YOU WRITE THE CORRECT INFORMATION

ON BOTH TAPE CASSETTES? \*

☐

DID YOU CLOSE THE LATCH?

YESTIME RECORDER RESET 10:30 P.D.T.TIME ALL METERS SUBMERGED: Probe 3 NA Probe 2 NA Probe 1 NA

IF YOU HAVE SEEN THE TAPE ADVANCE, PLEASE NOTE TIME AND DATE (spell month):

10:30 P.D.T. May 02, 1979

REMARKS (problems with equipment, etc.)

Strange I.D. numbers for middle meter



SAN FABLE - CHIPS ISLAND

DATA LOGGER CHECK SHEET

STATION (spell out) Berkeley/Martinez STATION NUMBER 03CALIFORNIA  
ORIGINATOR DATE: MONTH (spell out) May DAY 02 YEAR 79CALIFORNIA ARRIVAL TIME 11:10 PDTDEPARTURE TIME 11:37

(leave blank)

RECORDER'S SIGNATURE R. D. B.

## TASKS ACCOMPLISHED ON THIS STATION VISIT

- |                      |                                     |                     |                                     |
|----------------------|-------------------------------------|---------------------|-------------------------------------|
| 1) Visual Inspection | <input type="checkbox"/>            | 2) Instrument Check | <input checked="" type="checkbox"/> |
| 3) Tape Change       | <input checked="" type="checkbox"/> | 4) Battery Change   | <input checked="" type="checkbox"/> |
| 5) Damage Repair     | <input type="checkbox"/>            | 6) Other            |                                     |

## INTERROGATION VALUES

	ZERO	+BATT	-BATT	+ID	V <sub>x</sub>	V <sub>y</sub>	DIR	-ID/DEPTH	C	T	Tr
PROBE 1 (top)		+12.25	-12.50	154	+1.5	-1.4	134	-14.61	10.95	16.5	15.5
PROBE 2 (mid)				53	-1.5	-1.98	360	-4.69	12.62	16.15	10.5
PROBE 3 (bottom)	+0.32			435	-5.5	-6.9	357	28.15	14.65	16.06	4.9

INTERROGATION TIME 11:16TIME METERS OUT OF WATER: Probe 1 NA Probe 2 NA Probe 3 NATIME OLD CASSETTE REMOVED 11:25

OLD CASSETTE LABEL: \* CE 03 04 B ← write A or B

↑ Station Number    ↑ Start Month  
(2 digits)            (2 digits)

IS NEW TAPE IN CORRECTLY? ☒ yes DID YOU WRITE THE CORRECT INFORMATIONON BOTH TAPE CASSETTES? \* ☒ yes DID YOU CLOSE THE LATCH? ☒ yesTIME RECORDER RESET 11:33TIME ALL METERS SUBMERGED: Probe 3 NA Probe 2 NA Probe 1 NA

IF YOU HAVE SEEN THE TAPE ADVANCE, PLEASE NOTE TIME AND DATE (spell month):

11:30 + 11:33 May 2, 1979

REMARKS (problems with equipment, etc.): Load forward then Reset  
 Power connector came loose after reset at 11:30. Initiated again  
 at 11:33



SAN PABLO - TRIPS ISLAND

DATA LOGGING CHECK SHEET

STATION (spell out) Port Chicago STATION NUMBER 04  
 CALIFORNIA  
 DEPARTURE DATE: MONTH (spell out) May DAY 02 YEAR 79  
 CALIFORNIA ARRIVAL TIME 12:10 P.D.T.  
 DEPARTURE TIME 1300

(leave blank)

RECORDER'S SIGNATURE [Signature]

TASKS ACCOMPLISHED ON THIS STATION VISIT

- |                      |                                     |                     |                                     |
|----------------------|-------------------------------------|---------------------|-------------------------------------|
| 1) Visual Inspection | <input type="checkbox"/>            | 2) Instrument Check | <input checked="" type="checkbox"/> |
| 3) Tape Change       | <input checked="" type="checkbox"/> | 4) Battery Change   | <input checked="" type="checkbox"/> |
| 5) Damage Repair     | <input type="checkbox"/>            | 6) Other            | <u>Change Box</u> 12:28             |

INTERROGATION VALUES

	ZERO	+BATT	-BATT	+ID	V <sub>x</sub>	V <sub>y</sub>	DIR	-ID/DEPTH	C	T	Tr
PROBE 1 (top)		12.29	12.54	7.0	1.82	0.61	169	-6.8	3.77	16.57	1.9
PROBE 2 (mid)				7.79	1.69	1.73	014	-1.0	4.23	11.44	1.8
PROBE 3 (bottom)				15.9	1.30	0.4	295	29.99'	4.46	11.57	1.5

INTERROGATION TIME 12:17 P.D.T.

TIME METERS OUT OF WATER: Probe 1 NA Probe 2 NA Probe 3 NA

TIME OLD CASSETTE REMOVED 12:25

OLD CASSETTE LABEL: \* C E 04 04 \* B ← write A or B  
 ↑ Station Number ↑ Start Month  
 (2 digits) (2 digits)

IS NEW TAPE IN CORRECTLY? ☒ DID YOU WRITE THE CORRECT INFORMATION

ON BOTH TAPE CASSETTES? \* ☒ DID YOU CLOSE THE LATCH? ☒

TIME RECORDER RESET 1300

TIME ALL METERS SUBMERGED: Probe 3 NA Probe 2 --- Probe 1 ---

IF YOU HAVE SEEN THE TAPE ADVANCE, PLEASE NOTE TIME AND DATE (spell month):

1300 May 2, 1979

REMARKS (problems with equipment, etc.):

Mid C First reading 0.08  
 Sec reading 0.07

New box direct code 1235  
 original box replaced in unit  
 1245



SAN PABLO - CHIPS ISLAND

DATA LOGGER CHECK SHEET

STATION (spell out) Chipp's Island \* STATION NUMBER \* 05

CALIFORNIA

CALENDAR DATE: MONTH (spell out) May \* DAY 02 \* YEAR 79

CALIFORNIA ARRIVAL TIME 1320 PDT

DEPARTURE TIME 1342

(leave blank)

RECORDER'S SIGNATURE Shime

TASKS ACCOMPLISHED ON THIS STATION VISIT

- |                      |                                     |                     |                                     |
|----------------------|-------------------------------------|---------------------|-------------------------------------|
| 1) Visual Inspection | <input type="checkbox"/>            | 2) Instrument Check | <input checked="" type="checkbox"/> |
| 3) Tape Change       | <input checked="" type="checkbox"/> | 4) Battery Change   | <input checked="" type="checkbox"/> |
| 5) Damage Repair     | <input type="checkbox"/>            | 6) Other            |                                     |

INTERROGATION VALUES

	ZERO	+BATT	-BATT	+ID	V <sub>x</sub>	V <sub>y</sub>	DIR	-ID/DEPTH	C	T	Tr
PROBE 1 (top)		Internal		3.1	+61	-1.4	336	-2.9	5.14	16.87	0.7
PROBE 2 (mid)				16.9	+85	-1.4	335	-5.7	1.50	17.24	1.4
PROBE 3 (bottom)				9.0	+89	+0.2	271	20.75	0.97	16.12	1.5

INTERROGATION TIME 13:33 PDT

TIME METERS OUT OF WATER: Probe 1 NA Probe 2 NA Probe 3 NA

TIME OLD CASSETTE REMOVED 1326

OLD CASSETTE LABEL: \* 

C	E	05	02
---	---	----	----

 \* 

B
---

 ← write A or B  
 ↑ Station Number (2 digits)    ↑ Start Month (2 digits)

IS NEW TAPE IN CORRECTLY? ☒ YES DID YOU WRITE THE CORRECT INFORMATIC

ON BOTH TAPE CASSETTES? \* ☐ DID YOU CLOSE THE LATCH? ☒ YES

TIME RECORDER RESET 13:30:00 PDT

TIME ALL METERS SUBMERGED: Probe 3 NA Probe 2 NA Probe 1 NA

IF YOU HAVE SEEN THE TAPE ADVANCE, PLEASE NOTE TIME AND DATE (spell month):

13:30 PDT May 02, '79

REMARKS (problems with equipment, etc.): old tape out and batteries changed before interrogation



SAN PABLO - CHIPS ISLAND

DATA LOGGER CHECK SHEET

STATION (spell out) Grizzley (Grr!) Bay \* STATION NUMBER \* 06  
 CALIFORNIA  
 CALENDER DATE: MONTH (spell out) May \* DAY 02 \* YEAR 79  
 CALIFORNIA ARRIVAL TIME 14 13 PDT  
 DEPARTURE TIME 1432 PDT

(leave blank)

RECORDER'S SIGNATURE Elmer

TASKS ACCOMPLISHED ON THIS STATION VISIT

- |                      |                                     |                     |                                     |
|----------------------|-------------------------------------|---------------------|-------------------------------------|
| 1) Visual Inspection | <input type="checkbox"/>            | 2) Instrument Check | <input checked="" type="checkbox"/> |
| 3) Tape Change       | <input checked="" type="checkbox"/> | 4) Battery Change   | <input checked="" type="checkbox"/> |
| 5) Damage Repair     | <input type="checkbox"/>            | 6) Other            |                                     |

INTERROGATION VALUES

	ZERO	+BATT	-BATT	+ID	V <sub>x</sub>	V <sub>y</sub>	DIR	-ID/DEPTH	C	T	Tr
PROBE 1 (top)		+2.24	-12.47	+13.1	NA	NA	NA	- 13.0	3.97	17.13	0.6
PROBE 2 (mid)					NA	NA					
PROBE 3 (bottom)					NA	NA					

INTERROGATION TIME 13 17

TIME METERS OUT OF WATER: Probe 1 NA Probe 2 NA Probe 3 NA

TIME OLD CASSETTE REMOVED 14.20 PDT

OLD CASSETTE LABEL: \* 

C E	0 6	0 4
-----	-----	-----

 \* 

B
---

 ← write A or B  
 ↑ Station Number (2 digits)    ↑ Start Month (2 digits)

IS NEW TAPE IN CORRECTLY? 

YES
-----

 DID YOU WRITE THE CORRECT INFORMATI

ON BOTH TAPE CASSETTES? \* 

YES
-----

 DID YOU CLOSE THE LATCH? 

YES
-----

TIME RECORDER RESET 14:30:00 PDT May 2, 1979

TIME ALL METERS SUBMERGED: Probe 3 NA Probe 2 NA Probe 1 NA

IF YOU HAVE SEEN THE TAPE ADVANCE, PLEASE NOTE TIME AND DATE (spell month):

14:30 May 2 1979

REMARKS (problems with equipment, etc.):



SAN PABLO - CHIPS ISLAND

DATA LOGGER CHECK SHEET

STATION (spell out) San Pablo \* STATION NUMBER 1

CALIFORNIA

CALENDAR DATE: MONTH (spell out) May \* DAY 18 \* YEAR 1979CALIFORNIA ARRIVAL TIME 0745DEPARTURE TIME 0945

(leave blank)

RECORDER'S SIGNATURE [Signature]

## TASKS ACCOMPLISHED ON THIS STATION VISIT

1) Visual Inspection ☒3) Tape Change ☒5) Damage Repair ☐2) Instrument Check ☐4) Battery Change ☒6) Other Cleaned, Change Zener

## INTERROGATION VALUES

	ZERO	+BATT	-BATT	+ID	V <sub>x</sub>	V <sub>y</sub>	DIR	-ID/DEPTH	C	T	Tr
PROBE 1 (top)											
PROBE 2 (mid)	<u>Blue lead disconnected</u>										
PROBE 3 (bottom)											

INTERROGATION TIME —TIME METERS OUT OF WATER: Probe 1 0815 Probe 2 0820 Probe 3 0830TIME OLD CASSETTE REMOVED 0800 - (Observed Good Information)OLD CASSETTE LABEL: \* 

C	E	01	05
---	---	----	----

 \* 

A
---

 ← write A or B

↑ Station Number (2 digits)    ↑ Start Month (2 digits)

IS NEW TAPE IN CORRECTLY? ☒☒ YES

DID YOU WRITE THE CORRECT INFORMATION

ON BOTH TAPE CASSETTES? \* ☒DID YOU CLOSE THE LATCH? ☒TIME RECORDER RESET 0830 (Probe out of Water)TIME ALL METERS SUBMERGED: Probe 3 0830 Probe 2 0825 Probe 1 0935

IF YOU HAVE SEEN THE TAPE ADVANCE, PLEASE NOTE TIME AND DATE (spell month):

0830 May 18, 1979

REMARKS (problems with equipment, etc.):

Blue lead not functioning - Volt leads



SAN PABLO - CHIPS ISLAND

DATA LOGGER CHECK SHEET

STATION (spell out) Carpine \* STATION NUMBER \* 2

CALIFORNIA

CALENDAR DATE: MONTH (spell out) May \* DAY 17 \* YEAR 1979CALIFORNIA ARRIVAL TIME 0855DEPARTURE TIME 1320

(leave blank)

RECORDER'S SIGNATURE Carpine

## TASKS ACCOMPLISHED ON THIS STATION VISIT

1) Visual Inspection ☒3) Tape Change ☒5) Damage Repair ☒2) Instrument Check ☒4) Battery Change ☒6) Other ☐

(7.) changed from 1.0 to 0.10100

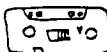
## INTERROGATION VALUES

	ZERO	+BATT	-BATT	+ID	V <sub>x</sub>	V <sub>y</sub>	DIR	-ID/DEPTH	C	T	Tr
PROBE 3 (top)	0	12.4	12.5	1.0	0.42	0.4	174°	23.6	16.3	17.9	6.2
PROBE 2 (mid)		"	"	2.0	-1.22	-0.4	75°	-0.22	15.7	17.9	10.2
PROBE 1 (bottom)		"	"	2.0	-0.7	+0.9	137°	-2.0	15.4	18.0	8.0

INTERROGATION TIME 1302-1300TIME METERS OUT OF WATER: Probe 1 — Probe 2 — Probe 3 —TIME OLD CASSETTE REMOVED 0950OLD CASSETTE LABEL: \* C E 02 05 \* A ← write A or B

↑ Station Number (2 digits) ↑ Start Month (2 digits)

IS NEW TAPE IN CORRECTLY?

yes

DID YOU WRITE THE CORRECT INFORMATION?

ON BOTH TAPE CASSETTES? \*

yes

DID YOU CLOSE THE LATCH?

yesTIME RECORDER RESET 1230 May 17 79TIME ALL METERS SUBMERGED: Probe 3 1205 Probe 2 1225 Probe 1 1255

IF YOU HAVE SEEN THE TAPE ADVANCE, PLEASE NOTE TIME AND DATE (spell month):

1230 1300 May 17 79

REMARKS (problems with equipment, etc.):

Stainless Steel Support Cable broken - Picked on bottom (unrecovered from 1979 calibration)



DEPARTURE TIME 1515

RECORDER'S SIGNATURE

6) Other

all OK



SAN FABLE - CHIPS ISLAND

DATA LOGGER CHECK SHEET

STATION (spell out)

Port Chicago

\* STATION NUMBER \*

4

CALIFORNIA

CAISER DATE: MONTH (spell out)

May

\* DAY

17

\* YEAR

79

CALIFORNIA ARRIVAL TIME

1545

DEPARTURE TIME

1815

(leave blank)

RECORDER'S SIGNATURE

P. Carpenter

TASKS ACCOMPLISHED ON THIS STATION VISIT

1) Visual Inspection



2) Instrument Check



3) Tape Change



4) Battery Change



5) Damage Repair



6) Other

## INTERROGATION VALUES

	ZERO	+BATT	-BATT	+ID	V <sub>x</sub>	V <sub>y</sub>	DIR	-ID/DEPTH	C	T	Tr
PROBE 1 (top)	0	11.9	12.6	0.7	-0.02	+0.02	90°	0.7	1.2	19.4	3.6
PROBE 2 (mid)		"	"	1.7	-0.02	+0.01	280°	1.2	19.3	4.0	
PROBE 3 (bottom)		"	"	1.6	+0.27	+0.34	149°	30.4	1.2	19.3	3.2

INTERROGATION TIME

1605 - 1615

TIME METERS OUT OF WATER:

Probe 1

1615

Probe 2

1625

Probe 3

NOT

TIME OLD CASSETTE REMOVED

1605

OLD CASSETTE LABEL: \*

C E

04

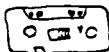
05

A

← write A or B

↑ Station Number  
(2 digits)↑ Start Month  
(2 digits)

IS NEW TAPE IN CORRECTLY?



yes

DID YOU WRITE THE CORRECT INFORMATIC

ON BOTH TAPE CASSETTES? \*

No

DID YOU CLOSE THE LATCH?

yes

TIME RECORDER RESET

1630

TIME ALL METERS SUBMERGED: Probe 3

-

Probe 2

1645

Probe 1

1755

IF YOU HAVE SEEN THE TAPE ADVANCE, PLEASE NOTE TIME AND DATE (spell month):

1630

17 May 79

first usable record 1800

REMARKS (problems with equipment, etc.):

recorder 6330229  
changed to 6330229

cleaned cable  
connections on probe.  
(made it worse!)  
couldn't find old cable connection  
so put new one on - that worked.



SAN PABLO - CHIPS ISLAND

DATA LOGGER CHECK SHEET

STATION (spell out) Chips Island \* STATION NUMBER \* 5

CALIFORNIA

CALENDAR DATE: MONTH (spell out) May \* DAY 17 \* YEAR 79CALIFORNIA ARRIVAL TIME 1826DEPARTURE TIME 1845

(leave blank)

RECORDER'S SIGNATURE D. Carpenter

## TASKS ACCOMPLISHED ON THIS STATION VISIT

1) Visual Inspection ☐3) Tape Change ☒5) Damage Repair ☐2) Instrument Check ☒4) Battery Change ☒

6) Other \_\_\_\_\_

## INTERROGATION VALUES

	ZERO	+BATT	-BATT	+ID	V <sub>x</sub>	V <sub>y</sub>	DIR	-ID/DEPTH	C	T	Tr
PROBE 1 (top)	0	12.6	-12.6	0.3	-0.8	+1.0	355	-0.3	1.74	20.3	0.3
PROBE 2 (mid)	"	"	"	1.7	-0.3	+1.2	355	-1.7	1.75	20.5	0.0
PROBE 3 (bottom)	"	"	"	2.9	-1.0	+0.6	260	24.26'	1.77	19.30	5.3

INTERROGATION TIME 1835 - 1840

TIME METERS OUT OF WATER: Probe 1 \_\_\_\_\_ Probe 2 \_\_\_\_\_ Probe 3 \_\_\_\_\_

TIME OLD CASSETTE REMOVED 1825OLD CASSETTE LABEL: \* C E 05 05 \* A ← write A or B

↑ Station Number (2 digits) ↑ Start Month (2 digits)

IS NEW TAPE IN CORRECTLY?

☒yes

DID YOU WRITE THE CORRECT INFORMATION

ON BOTH TAPE CASSETTES? \*

☒

DID YOU CLOSE THE LATCH?

yesTIME RECORDER RESET 1830

TIME ALL METERS SUBMERGED: Probe 3 \_\_\_\_\_ Probe 2 \_\_\_\_\_ Probe 1 \_\_\_\_\_

IF YOU HAVE SEEN THE TAPE ADVANCE, PLEASE NOTE TIME AND DATE (spell month):

1830 May 17 79

REMARKS (problems with equipment, etc.):

all OK



## SAN PABLO - CHIPS ISLAND

## DATA LOGGER CHECK SHEET

STATION (spell out) Muzzy Bay\* STATION NUMBER \* 6

CALIFORNIA

CALENDAR DATE: MONTH (spell out) May\* DAY 17\* YEAR 79CALIFORNIA ARRIVAL TIME 1915DEPARTURE TIME 1935

(leave blank)

RECORDER'S SIGNATURE \_\_\_\_\_

## TASKS ACCOMPLISHED ON THIS STATION VISIT

1) Visual Inspection ☐3) Tape Change ☒5) Damage Repair ☐2) Instrument Check ☒4) Battery Change ☒

6) Other \_\_\_\_\_

## INTERROGATION VALUES

	ZERO	+BATT	-BATT	+ID	V <sub>x</sub>	V <sub>y</sub>	DIR	-ID/DEPTH	C	T	Tr
PROBE 1 (top)	00	+12.32	12.6	1.3	-	-	-	1.3	S 96	19.25	1.0
PROBE 2 (mid)											
PROBE 3 (bottom)											

INTERROGATION TIME 1923

TIME METERS OUT OF WATER: Probe 1 \_\_\_\_\_

Probe 2 \_\_\_\_\_

Probe 3 \_\_\_\_\_

TIME OLD CASSETTE REMOVED 1920

OLD CASSETTE LABEL: \*

C E

06

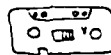
05

A

← write A or B

↑ Station Number  
(2 digits)↑ Start Month  
(2 digits)

IS NEW TAPE IN CORRECTLY?



Yes

DID YOU WRITE THE CORRECT INFORMATION

ON BOTH TAPE CASSETTES? \*

Yes

DID YOU CLOSE THE LATCH?

Yes

TIME RECORDER RESET 1930

TIME ALL METERS SUBMERGED: Probe 3 \_\_\_\_\_

Probe 2 \_\_\_\_\_

Probe 1 \_\_\_\_\_

IF YOU HAVE SEEN THE TAPE ADVANCE, PLEASE NOTE TIME AND DATE (spell month):

1930, May 17, 79

REMARKS (problems with equipment, etc.):

ALL OK



## CORPS OF ENGINEERS PROJECT DACW07-73-C-0049

SAN PABLO - CHIPS ISLAND

DATA LOGGER CHECK SHEET

STATION (spell out) San Pablo\* STATION NUMBER \* 1

CALIFORNIA

CALENDAR DATE: MONTH (spell out) May\* DAY 31\* YEAR 1979CALIFORNIA ARRIVAL TIME 0905DEPARTURE TIME 0945

(leave blank)

RECORDER'S SIGNATURE P Carpenter

## TASKS ACCOMPLISHED ON THIS STATION VISIT

1) Visual Inspection ☐3) Tape Change ☒5) Damage Repair ☐2) Instrument Check ☒4) Battery Change ☒

6) Other \_\_\_\_\_

## INTERROGATION VALUES

	ZERO	+BATT	-BATT	+ID	V <sub>x</sub>	V <sub>y</sub>	DIR	-ID/DEPTH	C	T	Tr
PROBE 1 (top)	<u>000</u>	<u>12.62</u>	<u>1249</u>	<u>0.6</u>	<u>+1.48</u>	<u>22</u>	<u>290</u>	<u>0.6</u>	<u>26.59</u>	<u>12.8</u>	<u>140</u>
PROBE 2 (mid)				<u>variable</u>	<u>-2.4</u>	<u>30</u>	<u>300</u>	<u>variable</u>	<u>9.24</u>		
PROBE 3 (bottom)				<u>1.1</u>	<u>+0.50</u>	<u>-0.8</u>	<u>288</u>	<u>26.5</u>	<u>32.4</u>	<u>17.7</u>	<u>52.9</u>

looks like  
bad cable  
or?

INTERROGATION TIME 0923 - ~~0930~~ 40TIME METERS OUT OF WATER: Probe 1 NA

Probe 2 \_\_\_\_\_

Probe 3 \_\_\_\_\_

TIME OLD CASSETTE REMOVED 0915

OLD CASSETTE LABEL: \*

C E

01

05

B

← write A or B

↑ Station Number  
(2 digits)↑ Start Month  
(2 digits)

IS NEW TAPE IN CORRECTLY?

☒

yes

DID YOU WRITE THE CORRECT INFORMATION

ON BOTH TAPE CASSETTES? \*

OLD

DID YOU CLOSE THE LATCH?

yes

TIME RECORDER RESET 0930TIME ALL METERS SUBMERGED: Probe 3 NA

Probe 2 \_\_\_\_\_

Probe 1 \_\_\_\_\_

IF YOU HAVE SEEN THE TAPE ADVANCE, PLEASE NOTE TIME AND DATE (spell month):

093031 May 79

REMARKS (problems with equipment, etc.):

TR 1 on #1

probe 2 out!



## CORPS OF ENGINEERS PROJECT DACW07-78-C-0049

SAN PABLO - CHIPS ISLAND

DATA LOGGER CHECK SHEET

STATION (spell out) Caracina \* STATION NUMBER \* 2

CALIFORNIA

CALENDAR DATE: MONTH (spell out) May \* DAY 31 \* YEAR 1979CALIFORNIA ARRIVAL TIME 1028DEPARTURE TIME 1050

(leave blank)

RECORDER'S SIGNATURE [Signature]

## TASKS ACCOMPLISHED ON THIS STATION VISIT

1) Visual Inspection ☐3) Tape Change ☒5) Damage Repair ☐2) Instrument Check ☒4) Battery Change ☒

6) Other \_\_\_\_\_

## INTERROGATION VALUES

	ZERO	+BATT	-BATT	+ID	V <sub>x</sub>	V <sub>y</sub>	DIR	-ID/DEPTH	C	T	Tr
PROBE 1 (top)	0 <sup>ex</sup>	12.4	12.5	0.2	-1.5	+0.7	122	0.2	16.33	120	25
PROBE 2 (mid)				0.1	-1.1	-1.2	58	0.1	16.33	122	250
PROBE 3 (bottom)				1.0	-0.5	+0.3	161	25.15	16.27	19.3	20

INTERROGATION TIME 1040TIME METERS OUT OF WATER: Probe 1 NA Probe 2 — Probe 3 —TIME OLD CASSETTE REMOVED 1029OLD CASSETTE LABEL: \* 

C	E	02	05
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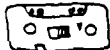
 . 

B
---

 ← write A or B

↑ Station Number (2 digits)    ↑ Start Month (2 digits)

IS NEW TAPE IN CORRECTLY?



Yes

DID YOU WRITE THE CORRECT INFORMATION

ON BOTH TAPE CASSETTES? \*

0d

DID YOU CLOSE THE LATCH?

Yes

TIME RECORDER RESET 1031, again at 1034TIME ALL METERS SUBMERGED: Probe 3 NA Probe 2 — Probe 1 —

IF YOU HAVE SEEN THE TAPE ADVANCE, PLEASE NOTE TIME AND DATE (spell month):

1021, 1034 May 31 1979

REMARKS (problems with equipment, etc.):

Extra record at beginning  
Power disconnect at 1033



## CORPS OF ENGINEERS PROJECT DACW07-78-C-0049

SAN PABLO - CHIPS ISLAND

DATA LOGGER CHECK SHEET

STATION (spell out) Benicia Martinez Bridge STATION NUMBER \* 3

CALIFORNIA

CALENDAR DATE: MONTH (spell out) May \* DAY 31 \* YEAR 1979 \*CALIFORNIA ARRIVAL TIME 1115DEPARTURE TIME 1140

(leave blank)

RECORDER'S SIGNATURE P. Carpenter

## TASKS ACCOMPLISHED ON THIS STATION VISIT

1) Visual Inspection ☐3) Tape Change ☒5) Damage Repair ☐2) Instrument Check ☒4) Battery Change ☒

6) Other \_\_\_\_\_

NEW

## INTERROGATION VALUES

	ZERO	+BATT	-BATT	+ID	V <sub>x</sub>	V <sub>y</sub>	DIR	-ID/DEPTH	C	T	Tr
PROBE 1 (top)	00	12.56	12.2	1.5	+0.8	-1.9	283	1.5	9.82	19.67	3.1
PROBE 2 (mid)				0.5	-0.8	+1.4	105	0.5	9.09	19.72	3.8
PROBE 3 (bottom)				0.4	-0.8	+0.4	73	27.4	10.30	19.4	0.4

INTERROGATION TIME 1135-1135TIME METERS OUT OF WATER: Probe 1 NA Probe 2 NA Probe 3 NATIME OLD CASSETTE REMOVED 1120OLD CASSETTE LABEL: \* C E 03 05 . B ← write A or B

↑ Station Number (2 digits)    ↑ Start Month (2 digits)

IS NEW TAPE IN CORRECTLY? ☒yes

DID YOU WRITE THE CORRECT INFORMATION

ON BOTH TAPE CASSETTES? \* ☒yesDID YOU CLOSE THE LATCH? ☒yesTIME RECORDER RESET 1130TIME ALL METERS SUBMERGED: Probe 3 NA Probe 2 NA Probe 1 NA

IF YOU HAVE SEEN THE TAPE ADVANCE, PLEASE NOTE TIME AND DATE (spell month):

1130, 31 MAY 1979

REMARKS (problems with equipment, etc.):

all OK



SAN PABLO - CHIPS ISLAND

DATA LOGGER CHECK SHEET

STATION (spell out) Port Chicago \* STATION NUMBER \* 4  
 CALIFORNIA  
 CALENDER DATE: MONTH (spell out) May \* DAY 31 \* YEAR 1979 \*  
 CALIFORNIA ARRIVAL TIME 1205  
 DEPARTURE TIME 1320

(leave blank)

RECORDER'S SIGNATURE P. Carpenter

TASKS ACCOMPLISHED ON THIS STATION VISIT

1) Visual Inspection ☐2) Instrument Check ☒3) Tape Change ☒4) Battery Change ☒5) Damage Repair ☐6) Other variable

## INTERROGATION VALUES

	ZERO	+BATT	-BATT	+ID	V <sub>x</sub>	V <sub>y</sub>	DIR	-ID/DEPTH	C	T	Tr
PROBE 1 (top)	<u>5.40</u>			<u>0.7</u>	<u>+0.6</u>	<u>-1.8</u>	<u>80</u>	<u>0.7</u>	<u>0.88</u>	<u>20.8</u>	<u>0.3</u>
PROBE 2 (mid)				<u>1.4</u>	<u>+1.3</u>	<u>+1.3</u>	<u>220</u>	<u>1.4</u>	<u>0.87</u>	<u>20.8</u>	<u>0.2</u>
PROBE 3 (bottom)				<u>1.6</u>	<u>-0.4</u>	<u>+2.0</u>	<u>148</u>	<u>29.16'</u>	<u>0.86</u>	<u>20.8</u>	<u>0.4</u>

INTERROGATION TIME 1240TIME METERS OUT OF WATER: Probe 1 NA Probe 2 NA Probe 3 NATIME OLD CASSETTE REMOVED 1220

OLD CASSETTE LABEL: \*

C E

0405B

← write A or B

little to no tape here ↑ Station Number (2 digits) ↑ Start Month (2 digits)

IS NEW TAPE IN CORRECTLY?

☒yes

DID YOU WRITE THE CORRECT INFORMATION

ON BOTH TAPE CASSETTES? \*

old

DID YOU CLOSE THE LATCH?

yesTIME RECORDER RESET 1300TIME ALL METERS SUBMERGED: Probe 3 NA Probe 2 NA Probe 1 NA

IF YOU HAVE SEEN THE TAPE ADVANCE, PLEASE NOTE TIME AND DATE (spell month):

1300, 31 May 79

REMARKS (problems with equipment, etc.):

(opened & put on various connectors & it worked again)  
recorder problems on old tape  
(Part a battery problem)



SAN PABLO - CHIPS ISLAND

DATA LOGGER CHECK SHEET

STATION (spell out) Chippis Island \* STATION NUMBER \* 5

CALIFORNIA

CALENDAR DATE: MONTH (spell out) May \* DAY 31 \* YEAR 1979 \*CALIFORNIA ARRIVAL TIME 1340DEPARTURE TIME 1410

(leave blank)

RECORDER'S SIGNATURE Philip McDonald

## TASKS ACCOMPLISHED ON THIS STATION VISIT

1) Visual Inspection ☐3) Tape Change ☒5) Damage Repair ☐2) Instrument Check ☒4) Battery Change ☒

6) Other \_\_\_\_\_

## INTERROGATION VALUES

	ZERO	+BATT	-BATT	+ID	V <sub>x</sub>	V <sub>y</sub>	DIR	-ID/DEPTH	C	T	Tr
PROBE 1 (top)	00	12.7	12.6	0.3	+3	-8	310	0.3	0.22	17.85	1.7
PROBE 2 (mid)				1.7	11.0	-0.3	302	1.7	0.23	20.35	4.0
PROBE 3 (bottom)				0.9	12.4	+0.3	250	24.36	0.21	18.97	4.1

INTERROGATION TIME 1358 Probe 1 1404 Probes 2 & 3TIME METERS OUT OF WATER: Probe 1 NA Probe 2 \_\_\_\_\_ Probe 3 \_\_\_\_\_TIME OLD CASSETTE REMOVED 1345OLD CASSETTE LABEL: \* C E 05 05 \* B ← write A or B

↑ Station Number (2 digits) ↑ Start Month (2 digits)

IS NEW TAPE IN CORRECTLY?

☒Yes

DID YOU WRITE THE CORRECT INFORMATION

ON BOTH TAPE CASSETTES? \*

old

DID YOU CLOSE THE LATCH?

YesTIME RECORDER RESET 1400TIME ALL METERS SUBMERGED: Probe 3 NA Probe 2 \_\_\_\_\_ Probe 1 \_\_\_\_\_

IF YOU HAVE SEEN THE TAPE ADVANCE, PLEASE NOTE TIME AND DATE (spell month):

1400 May 31, 1979

REMARKS (problems with equipment, etc.):

old tape wouldn't load forward - it was running  
but tape would not advance - like the head  
drive was loose - tightened, but it was tight - maybe



SAN PABLO - CHIPS ISLAND

DATA LOGGER CHECK SHEET

STATION (spell out) Guzzley Bay \* STATION NUMBER \* 6CALIFORNIA  
CALENDAR DATE: MONTH (spell out) May \* DAY 31 \* YEAR 79 \*CALIFORNIA ARRIVAL TIME 1435DEPARTURE TIME 1510

(leave blank)

RECORDER'S SIGNATURE P. Carpenter

## TASKS ACCOMPLISHED ON THIS STATION VISIT

- |                      |                                     |                     |                                     |
|----------------------|-------------------------------------|---------------------|-------------------------------------|
| 1) Visual Inspection | <input type="checkbox"/>            | 2) Instrument Check | <input checked="" type="checkbox"/> |
| 3) Tape Change       | <input checked="" type="checkbox"/> | 4) Battery Change   | <input checked="" type="checkbox"/> |
| 5) Damage Repair     | <input type="checkbox"/>            | 6) Other            | <u>                    </u>         |

## INTERROGATION VALUES

	ZERO	+BATT	-BATT	+ID	V <sub>x</sub>	V <sub>y</sub>	DIR	-ID/DEPTH	C	T	Tr
PROBE 1 (top)	000	12.9	12.7	1.3	-	-	-	1.3	1.47	1.3	0.1
PROBE 2 (mid)											
PROBE 3 (bottom)											

INTERROGATION TIME 1450TIME METERS OUT OF WATER: Probe 1 NA Probe 2                      Probe 3                     TIME OLD CASSETTE REMOVED 1440OLD CASSETTE LABEL: \* 

C	E	0	6	0	5
---	---	---	---	---	---

 . 

3
---

 ← write A or B

↑ Station Number (2 digits)	↑ Start Month (2 digits)
--------------------------------	-----------------------------

IS NEW TAPE IN CORRECTLY? 

yes
-----

 DID YOU WRITE THE CORRECT INFORMATIONON BOTH TAPE CASSETTES? \* 

OLD
-----

 DID YOU CLOSE THE LATCH? 

yes
-----

TIME RECORDER RESET 1500TIME ALL METERS SUBMERGED: Probe 3 NA Probe 2                      Probe 1                     

IF YOU HAVE SEEN THE TAPE ADVANCE, PLEASE NOTE TIME AND DATE (spell month):

1500, 31 May 1979

REMARKS (problems with equipment, etc.):

no



## CORPS OF ENGINEERS PROJECT DACW07-78-C-0049

SAN PABLO - CHIPS ISLAND

DATA LOGGER CHECK SHEET

STATION (spell out) San Pablo #9 \* STATION NUMBER \*1

CALIFORNIA

CALENDAR DATE: MONTH (spell out) June \* DAY 15 \* YEAR 79CALIFORNIA ARRIVAL TIME 0605DEPARTURE TIME 0645

(leave blank)

RECORDER'S SIGNATURE Conrad Richert

## TASKS ACCOMPLISHED ON THIS STATION VISIT

1) Visual Inspection ☐2) Instrument Check ☐3) Tape Change ☒4) Battery Change ☒5) Damage Repair ☐

6) Other \_\_\_\_\_

## INTERROGATION VALUES

	ZERO	+BATT	-BATT	+ID	V <sub>x</sub>	V <sub>y</sub>	DIR	-ID/DEPTH	C	T	Tr
PROBE 1 (top)	0	12.6	12.7	0.6	-1.4	-0.1	265	0.6	33.6	17.8	81.0
PROBE 2 (mid)				1.2	+0.2	+0.3	206	22.62	35.85	17.41	20.0
PROBE 3 (bottom)				1.1	-0.2	+1.0	245	29.05	36.35	17.60	89.0

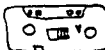
INTERROGATION TIME 0635

TIME METERS OUT OF WATER: Probe 1 \_\_\_\_\_ Probe 2 \_\_\_\_\_ Probe 3 \_\_\_\_\_

TIME OLD CASSETTE REMOVED 0620OLD CASSETTE LABEL: \* C E 01 05 \* A ← write A or B

↑ Station Number (2 digits) ↑ Start Month (2 digits)

IS NEW TAPE CORRECTLY?



DID YOU WRITE THE CORRECT INFORMATION

ON BOTH TAPE CASSETTES? \*



DID YOU CLOSE THE LATCH?

TIME RECORDER RESET 0630

TIME ALL METERS SUBMERGED: Probe 3 \_\_\_\_\_ Probe 2 \_\_\_\_\_ Probe 1 \_\_\_\_\_

IF YOU HAVE SEEN THE TAPE ADVANCE, PLEASE NOTE TIME AND DATE (spell month):

Saw it advance @ 0630 June 15

REMARKS (problems with equipment, etc.):



SAN PABLO - CHIPS ISLAND

## DATA LOGGER CHECK SHEET

STATION (spell out) S. Carquinez St. \* STATION NUMBER \* 2  
 CALIFORNIA  
 CALENDAR DATE: MONTH (spell out) June \* DAY 13 \* YEAR 1979  
 CALIFORNIA ARRIVAL TIME 0925  
 DEPARTURE TIME 1200

(leave blank)

RECORDER'S SIGNATURE P. Carpenter

## TASKS ACCOMPLISHED ON THIS STATION VISIT

1) Visual Inspection ☒3) Tape Change ☒5) Damage Repair ☐2) Instrument Check ☒4) Battery Change ☒6) Other cleaning

NEW

## INTERROGATION VALUES

	ZERO	+BATT	-BATT	+ID	V <sub>x</sub>	V <sub>y</sub>	DIR	-ID/DEPTH	C	T	Tr
PROBE 1 (top)	0-	12.5	12.9	0.2	31	1.46	148	0.2	22.62	20	13.9
PROBE 2 (mid)				0.4	1.4	0.02	95	-0.1	22.08	20.11	10.3
PROBE 3 (bottom)				1.0	0.04	0.35	218	24.75	24.82	20.12	14.3

INTERROGATION TIME 0940 - 0945TIME METERS OUT OF WATER: Probe 1 1000 Probe 2 1015 Probe 3 1030TIME OLD CASSETTE REMOVED 0935

OLD CASSETTE LABEL: \*

C E

02

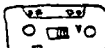
06

A

← write A or B

↑ Station Number  
(2 digits)↑ Start Month  
(2 digits)

IS NEW TAPE IN CORRECTLY?



yes

DID YOU WRITE THE CORRECT INFORMATION

ON BOTH TAPE CASSETTES? \*

old

DID YOU CLOSE THE LATCH?

yes

TIME RECORDER RESET 1130TIME ALL METERS SUBMERGED: Probe 3 1135 Probe 2 1140 Probe 1 1147

IF YOU HAVE SEEN THE TAPE ADVANCE, PLEASE NOTE TIME AND DATE (spell month):

1130 June 13 1979

REMARKS (problems with equipment, etc.):

all OK

HEAVY fouling



SAN PABLO - CHIPS ISLAND

DATA LOGGER CHECK SHEET

STATION (spell out) Benicia-Martinez Pt. \* STATION NUMBER \* 3

CALIFORNIA

CALENDAR DATE: MONTH (spell out) June \* DAY 13 \* YEAR 1979CALIFORNIA ARRIVAL TIME 1230DEPARTURE TIME 1510

(leave blank)

RECORDER'S SIGNATURE P. Carpenter

## TASKS ACCOMPLISHED ON THIS STATION VISIT

1) Visual Inspection ☒3) Tape Change ☒5) Damage Repair ☐2) Instrument Check ☒4) Battery Change ☒6) Other Cleaning

## INTERROGATION VALUES

ZERO	+BATT	-BATT	+ID	V <sub>x</sub>	V <sub>y</sub>	DIR	-IL DEPTH	S	T	Tr
0.	12.43	12.45	1.5	0.33	0.4	307	1.5	11.02	21.22	3.9
			0.5	0.8	0.25	143	.5	10.77	21.15	6.0
			.4	-0.05		158	27.6	11.16	20.2	-0.1

PROBE 1 (top)

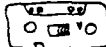
PROBE 2 (mid)

PROBE 3 (bottom)

INTERROGATION TIME ~ 1300 013TIME METERS OUT OF WATER: Probe 1 1310 Probe 2 1325 Probe 3 1330TIME OLD CASSETTE REMOVED 1250OLD CASSETTE LABEL: \* C E 03 06 \* A ← write A or B

↑ Station Number (2 digits) ↑ Start Month (2 digits)

IS NEW TAPE IN CORRECTLY?

yes

DID YOU WRITE THE CORRECT INFORMATION

ON BOTH TAPE CASSETTES? \*

yes

DID YOU CLOSE THE LATCH?

yes.TIME RECORDER RESET 1500 - strong flood tideTIME ALL METERS SUBMERGED: Probe 3 1438 Probe 2 1445 Probe 1 1453

IF YOU HAVE SEEN THE TAPE ADVANCE, PLEASE NOTE TIME AND DATE (spell month):

1500, 13 June 1979 OK

REMARKS (problems with equipment, etc.)

probe 3 drifting - cable connection



SAN PABLO - CHIPS ISLAND

DATA LOGGER CHECK SHEET

STATION (spell out) Port Chicago \* STATION NUMBER \* 4

CALIFORNIA

CALENDAR DATE: MONTH (spell out) June \* DAY 14 \* YEAR 1979CALIFORNIA ARRIVAL TIME 0930DEPARTURE TIME 1055

(leave blank)

RECORDER'S SIGNATURE P. Cargente

## TASKS ACCOMPLISHED ON THIS STATION VISIT

1) Visual Inspection ☒3) Tape Change ☒5) Damage Repair ☐2) Instrument Check ☒4) Battery Change ☒

6) Other \_\_\_\_\_

## INTERROGATION VALUES

	ZERO	+BATT	-BATT	+ID	V <sub>x</sub>	V <sub>y</sub>	DIR	-ID/DEPTH	C	T	Tr
PROBE 1 (top)	0.0	12.74	12.75	0.7	+0.7	+2.2	80	0.7	9.0	20.8	2.6
PROBE 2 (mid)			/	1.4	+1.5	+1.6	225	1.4	10.0	20.8	2.3
PROBE 3 (bottom)			/	1.6	+0.5	+1.9	193	29.9	10.65	20.8	4.0

INTERROGATION TIME 1010TIME METERS OUT OF WATER: Probe 1 NA Probe 2 NA Probe 3 NATIME OLD CASSETTE REMOVED NAOLD CASSETTE LABEL: \* 

C E	04	06
-----	----	----

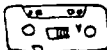
 \* 

A
---

 ← write A or B

↑ Station Number (2 digits) ↑ Start Month (2 digits)

IS NEW TAPE IN CORRECTLY?

yes

DID YOU WRITE THE CORRECT INFORMATION

ON BOTH TAPE CASSETTES? \*



DID YOU CLOSE THE LATCH?

yesTIME RECORDER RESET 1030TIME ALL METERS SUBMERGED: Probe 3 NA Probe 2 NA Probe 1 NA

IF YOU HAVE SEEN THE TAPE ADVANCE, PLEASE NOTE TIME AND DATE (spell month):

1030 June 14 79

REMARKS (problems with equipment, etc.):

recorder did not operate during last time period  
 changed recorder - Batteries were OK Recorder changed  
 - broke free twice so we did not pull meters!

2866  
 → Big wave & hard to work.

6330  
 to 6330



SAN PABLO - CHIPS ISLAND

DATA LOGGER CHECK SHEET

STATION (spell out) Chips Island \* STATION NUMBER \* #5

CALIFORNIA

CALENDAR DATE: MONTH (spell out) June \* DAY 13 \* YEAR 1979 \*CALIFORNIA ARRIVAL TIME 1800DEPARTURE TIME 1915

(leave blank)

RECORDER'S SIGNATURE P. Carpenter

## TASKS ACCOMPLISHED ON THIS STATION VISIT

- |                      |                                     |                     |                                     |
|----------------------|-------------------------------------|---------------------|-------------------------------------|
| 1) Visual Inspection | <input checked="" type="checkbox"/> | 2) Instrument Check | <input checked="" type="checkbox"/> |
| 3) Tape Change       | <input checked="" type="checkbox"/> | 4) Battery Change   | <input checked="" type="checkbox"/> |
| 5) Damage Repair     | <input type="checkbox"/>            | 6) Other            |                                     |

## INTERROGATION VALUES

	ZERO	+BATT	-BATT	+ID	V <sub>x</sub>	V <sub>y</sub>	DIR	-ID/DEPTH	C	T	Tr
PROBE 1 (top)	0.0	12.5	12.6	0.3	1.2	1.2	32°	0.3	4.2	21.9	-0.3
PROBE 2 (mid)				1.7	0.2	1.2	36°	1.7	4.15	22.8	0.0
PROBE 3 (bottom)				0.9	-1.3	-0.04	299°	29.95	4.0	21.0	1.4

INTERROGATION TIME 1830TIME METERS OUT OF WATER: Probe 1 NA Probe 2 NA Probe 3 NATIME OLD CASSETTE REMOVED 1825OLD CASSETTE LABEL: \* 

C E	05	06
-----	----	----

 \* 

A
---

 ← write A or B

↑ Station Number    ↑ Start Month  
 (2 digits)            (2 digits)

IS NEW TAPE IN CORRECTLY? 

yes
-----

 DID YOU WRITE THE CORRECT INFORMATIONON BOTH TAPE CASSETTES? \* 

old
-----

 DID YOU CLOSE THE LATCH? 

yes
-----

TIME RECORDER RESET 1900TIME ALL METERS SUBMERGED: Probe 3 NA Probe 2 NA Probe 1 NA

IF YOU HAVE SEEN THE TAPE ADVANCE, PLEASE NOTE TIME AND DATE (spell month):

1900, 13 June 1979

REMARKS (problems with equipment, etc.):

all looks O K - meters not pulled  
 Top meter had good zinc and was clean - even Tr.



SAN PABLO - CHIPS ISLAND

DATA LOGGER CHECK SHEET

STATION (spell out) Grizzly Bay\* STATION NUMBER \* 6

CALIFORNIA

CALENDAR DATE: MONTH (spell out) June\* DAY 14\* YEAR 1979CALIFORNIA ARRIVAL TIME 1120DEPARTURE TIME 1200

(leave blank)

RECORDER'S SIGNATURE P. Camacho

## TASKS ACCOMPLISHED ON THIS STATION VISIT

1) Visual Inspection ☒2) Instrument Check ☒3) Tape Change ☒4) Battery Change ☒5) Damage Repair ☐

6) Other \_\_\_\_\_

-NEW-

## INTERROGATION VALUES

	ZERO	+BATT	-BATT	+ID	V <sub>x</sub>	V <sub>y</sub>	DIR	-ID/DEPTH	C	T	Tr
PROBE 1 (top)	000	12.6	12.7	1.3				1.3	9.29	19.5	0.0
PROBE 2 (mid)											
PROBE 3 (bottom)											

INTERROGATION TIME 1135

TIME METERS OUT OF WATER: Probe 1 \_\_\_\_\_

Probe 2 \_\_\_\_\_

Probe 3 \_\_\_\_\_

TIME OLD CASSETTE REMOVED 1125

OLD CASSETTE LABEL: \*

C E

06

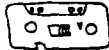
06

A

← write A or B

↑ Station Number  
(2 digits)↑ Start Month  
(2 digits)

IS NEW TAPE IN CORRECTLY?



DID YOU WRITE THE CORRECT INFORMATION

ON BOTH TAPE CASSETTES? \*



DID YOU CLOSE THE LATCH?

TIME RECORDER RESET 1130

TIME ALL METERS SUBMERGED: Probe 3 \_\_\_\_\_

Probe 2 \_\_\_\_\_

Probe 1 \_\_\_\_\_

IF YOU HAVE SEEN THE TAPE ADVANCE, PLEASE NOTE TIME AND DATE (spell month):

113014 June 1979

REMARKS (problems with equipment, etc.):

all OK



SAN PABLO - CHIPS ISLAND

DATA LOGGER CHECK SHEET

STATION (spell out) San Pablo Bay \* STATION NUMBER 1

CALIFORNIA

CALENDAR DATE: MONTH (spell out) June \* DAY 27 \* YEAR 79CALIFORNIA ARRIVAL TIME 0921DEPARTURE TIME 1000

(leave blank)

RECORDER'S SIGNATURE \_\_\_\_\_

## TASKS ACCOMPLISHED ON THIS STATION VISIT

1) Visual Inspection ☐2) Instrument Check ☐3) Tape Change ☒4) Battery Change ☒5) Damage Repair ☐

6) Other \_\_\_\_\_

## INTERROGATION VALUES

	ZERO	+BATT	-BATT	+ID	V <sub>x</sub>	V <sub>y</sub>	DIR	-ID/DEPTH	C	T	Tr
PROBE 1 (top)	OK	1275	1279	0.6	1.08	1.9	295	0.6	30.00	17.23	60.1
PROBE 2 (mid)				1.2	1.52	0.3	247	17.25	30.05	18.23	60.6
PROBE 3 (bottom)				1.1	0.48	0.7	292	25.65	29.92	15.67	57.2

INTERROGATION TIME 0940 → 0943

TIME METERS OUT OF WATER: Probe 1 \_\_\_\_\_ Probe 2 \_\_\_\_\_ Probe 3 \_\_\_\_\_

TIME OLD CASSETTE REMOVED 0930OLD CASSETTE LABEL: \* 

C	E	01	06
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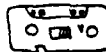
 . 

R
---

 ← write A or B

↑ Station Number (2 digits)    ↑ Start Month (2 digits)

IS NEW TAPE IN CORRECTLY?

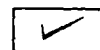


DID YOU WRITE THE CORRECT INFORMATION

ON BOTH TAPE CASSETTES? \*



DID YOU CLOSE THE LATCH?

TIME RECORDER RESET 0930

TIME ALL METERS SUBMERGED: Probe 3 \_\_\_\_\_ Probe 2 \_\_\_\_\_ Probe 1 \_\_\_\_\_

IF YOU HAVE SEEN THE TAPE ADVANCE, PLEASE NOTE TIME AND DATE (spell month):

June 27, 79 0930

REMARKS (problems with equipment, etc.):

all OK



SAN PABLO - CHIPS ISLAND

DATA LOGGER CHECK SHEET

STATION (spell out) Coring Station \* STATION NUMBER 2

CALIFORNIA

CALENDAR DATE: MONTH (spell out) June \* DAY 27 \* YEAR 79CALIFORNIA ARRIVAL TIME 1039DEPARTURE TIME 1110

(leave blank)

RECORDER'S SIGNATURE P. C.

## TASKS ACCOMPLISHED ON THIS STATION VISIT

1) Visual Inspection ☐3) Tape Change ☒5) Damage Repair ☐2) Instrument Check ☒4) Battery Change ☒

6) Other \_\_\_\_\_

## INTERROGATION VALUES

	ZERO	+BATT	-BATT	+ID	V <sub>x</sub>	V <sub>y</sub>	DIR	-ID/DEPTH	C	T	Tr
PROBE 1 (top)	<u>0</u>	<u>12.44</u>	<u>-12.76</u>	<u>0.2</u>	<u>-0.49</u>	<u>+0.33</u>	<u>137</u>	<u>0.2</u>	<u>20.67</u>	<u>18.67</u>	<u>36.9</u>
PROBE 2 (mid)				<u>0.1</u>	<u>+0.4</u>	<u>+0.1</u>	<u>96</u>	<u>+1.3</u>	<u>-0.3</u>	<u>18.68</u>	<u>22.7</u>
PROBE 3 (bottom)				<u>1.0</u>	<u>-0.9</u>	<u>+2.3</u>	<u>220</u>	<u>24.53</u>	<u>21.32</u>	<u>18.70</u>	<u>0</u>

INTERROGATION TIME 1053 → 1058

TIME METERS OUT OF WATER: Probe 1 \_\_\_\_\_ Probe 2 \_\_\_\_\_ Probe 3 \_\_\_\_\_

TIME OLD CASSETTE REMOVED 1035OLD CASSETTE LABEL: \* 

C	E	<u>02</u>	<u>06</u>
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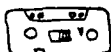
 . 

<u>B</u>
----------

 ← write A or B

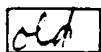
↑ Station Number (2 digits)    ↑ Start Month (2 digits)

IS NEW TAPE IN CORRECTLY?

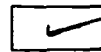


DID YOU WRITE THE CORRECT INFORMATIC

ON BOTH TAPE CASSETTES? \*



DID YOU CLOSE THE LATCH?

TIME RECORDER RESET 1100

TIME ALL METERS SUBMERGED: Probe 3 \_\_\_\_\_ Probe 2 \_\_\_\_\_ Probe 1 \_\_\_\_\_

IF YOU HAVE SEEN THE TAPE ADVANCE, PLEASE NOTE TIME AND DATE (spell month):

June 27, 79 1100

REMARKS (problems with equipment, etc.):

Looks like a bad cable on probe 2  
- growth on probe 3 -



SAN PABLO - CHIPS ISLAND

DATA LOGGER CHECK SHEET

STATION (spell out) Benicia \* STATION NUMBER \* 3

CALIFORNIA

CALENDAR DATE: MONTH (spell out) June \* DAY 27 \* YEAR 79 \*CALIFORNIA ARRIVAL TIME 1135DEPARTURE TIME 1210

(leave blank)

RECORDER'S SIGNATURE \_\_\_\_\_

## TASKS ACCOMPLISHED ON THIS STATION VISIT

1) Visual Inspection ☐2) Instrument Check ☒3) Tape Change ☒4) Battery Change ☒5) Damage Repair ☐

6) Other \_\_\_\_\_

## INTERROGATION VALUES

	ZERO	+BATT	-BATT	+ID	V <sub>x</sub>	V <sub>y</sub>	DIR	-ID/DEPTH	C	T	Tr
PROBE 1 (top)	<u>0</u>	<u>12.53</u>	<u>12.57</u>	<u>1.5</u>	<u>0.10</u>	<u>1.1</u>	<u>135</u>	<u>-1.5</u>	<u>12.33</u>	<u>19.17</u>	<u>0.5</u>
PROBE 2 (mid)				<u>0.5</u>	<u>0.1</u>	<u>-0.5</u>	<u>310</u>	<u>-0.5</u>	<u>12.25</u>	<u>19.18</u>	<u>0.7</u>
PROBE 3 (bottom)				<u>0.4</u>	<u>0.1</u>	<u>-0.5</u>	<u>312</u>	<u>27.95</u>	<u>12.60</u>	<u>19.16</u>	<u>0.3</u>

INTERROGATION TIME 1155

TIME METERS OUT OF WATER: Probe 1 \_\_\_\_\_ Probe 2 \_\_\_\_\_ Probe 3 \_\_\_\_\_

TIME OLD CASSETTE REMOVED 145OLD CASSETTE LABEL: \* 

C	E	<u>03</u>	<u>06</u>
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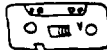
 . 

<u>B</u>
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 ← write A or B

↑ Station Number (2 digits)    ↑ Start Month (2 digits)

IS NEW TAPE IN CORRECTLY?



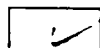
DID YOU WRITE THE CORRECT INFORMATION?



ON BOTH TAPE CASSETTES? \*



DID YOU CLOSE THE LATCH?

TIME RECORDER RESET 1200

TIME ALL METERS SUBMERGED: Probe 3 \_\_\_\_\_ Probe 2 \_\_\_\_\_ Probe 1 \_\_\_\_\_

IF YOU HAVE SEEN THE TAPE ADVANCE, PLEASE NOTE TIME AND DATE (spell month):

June 27, 79 1200

REMARKS (problems with equipment, etc.):

all OK



SAN PABLO - CHIPS ISLAND

DATA LOGGER CHECK SHEET

STATION (spell out) Port Chicago \* STATION NUMBER \* 4  
 CALIFORNIA  
 CALENDER DATE: MONTH (spell out) June \* DAY 27 \* YEAR 79  
 CALIFORNIA ARRIVAL TIME 1400  
 DEPARTURE TIME 1435

(leave blank)

RECORDER'S SIGNATURE \_\_\_\_\_

## TASKS ACCOMPLISHED ON THIS STATION VISIT

1) Visual Inspection ☐2) Instrument Check ☒3) Tape Change ☒4) Battery Change ☒5) Damage Repair ☐

6) Other \_\_\_\_\_

## INTERROGATION VALUES

	ZERO	+BATT	-BATT	+ID	V <sub>x</sub>	V <sub>y</sub>	DIR	-ID/DEPTH	C	T	Tr
PROBE 1 (top)	<u>Ø</u>	<u>12.53</u>	<u>12.93</u>	<u>0.7</u>	<u>+.09</u>	<u>.15</u>	<u>112</u>	<u>Ø.7</u>	<u>4.12</u>	<u>20.40</u>	<u>4.5</u>
PROBE 2 (mid)				<u>1.4</u>	<u>-.18</u>	<u>.03</u>	<u>265</u>	<u>1.4</u>	<u>4.11</u>	<u>20.30</u>	<u>3.2</u>
PROBE 3 (bottom)				<u>1.6</u>	<u>-0.3</u>	<u>-0.6</u>	<u>240</u>	<u>29.56</u>	<u>4.15</u>	<u>20.35</u>	<u>0.4</u>

INTERROGATION TIME 14:12 → 14:16

TIME METERS OUT OF WATER: Probe 1 \_\_\_\_\_ Probe 2 \_\_\_\_\_ Probe 3 \_\_\_\_\_

TIME OLD CASSETTE REMOVED 1403

OLD CASSETTE LABEL: \* 

C	E	<u>04</u>	<u>06</u>
---	---	-----------	-----------

 \* 

<u>B</u>
----------

 ← write A or B  
 ↑ Station Number (2 digits)    ↑ Start Month (2 digits)

IS NEW TAPE IN CORRECTLY? ☒

DID YOU WRITE THE CORRECT INFORMATION?

ON BOTH TAPE CASSETTES? \* ☐DID YOU CLOSE THE LATCH? ☒TIME RECORDER RESET 1430

TIME ALL METERS SUBMERGED: Probe 3 \_\_\_\_\_ Probe 2 \_\_\_\_\_ Probe 1 \_\_\_\_\_

IF YOU HAVE SEEN THE TAPE ADVANCE, PLEASE NOTE TIME AND DATE (spell month):

June 27, 79 1400 (old tape), 1430 (new tape)

REMARKS (problems with equipment, etc.):

stopped @ Port Chicago - could not find p  
stopped @ Chips Is - could not find p  
returned to Port Chicago

all OK



SAN PABLO - CHIPS ISLAND

DATA LOGGER CHECK SHEET

STATION (spell out) Chips Island \* STATION NUMBER \* 05

CALIFORNIA

CALENDAR DATE: MONTH (spell out) June \* DAY 27 \* YEAR 79CALIFORNIA ARRIVAL TIME 1450DEPARTURE TIME 1515

(leave blank)

RECORDER'S SIGNATURE \_\_\_\_\_

## TASKS ACCOMPLISHED ON THIS STATION VISIT

1) Visual Inspection ☐2) Instrument Check ☒3) Tape Change ☒4) Battery Change ☒5) Damage Repair ☐

6) Other \_\_\_\_\_

## INTERROGATION VALUES

	ZERO	+BATT	-BATT	+ID	V <sub>x</sub>	V <sub>y</sub>	DIR	-ID/DEPTH	C	T	Tr
PROBE 1 (top)	<u>0</u>	<u>11.96</u>	<u>12.38</u>	<u>+0.3</u>	<u>-1.2</u>	<u>-0.1</u>	<u>295</u>	<u>0.3</u>	<u>4.02</u>	<u>20.75</u>	<u>-0.3</u>
PROBE 2 (mid)				<u>1.7</u>	<u>-1.3</u>	<u>+0.2</u>	<u>291</u>	<u>+45.2</u>	<u>55.5</u>	<u>80</u>	<u>75</u>
PROBE 3 (bottom)				<u>+0.9</u>	<u>+2.5</u>	<u>-3.7</u>	<u>200</u>	<u>-43</u>	<u>3.64</u>	<u>19.72</u>	<u>6.9</u>

INTERROGATION TIME 1507 → 1509

TIME METERS OUT OF WATER: Probe 1 \_\_\_\_\_ Probe 2 \_\_\_\_\_ Probe 3 \_\_\_\_\_

TIME OLD CASSETTE REMOVED 1450OLD CASSETTE LABEL: \* 

C E	<u>05</u>	<u>06</u>
-----	-----------	-----------

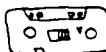
 \* 

<u>B</u>
----------

 ← write A or B

↑ Station Number (2 digits)    ↑ Start Month (2 digits)

IS NEW TAPE IN CORRECTLY?



DID YOU WRITE THE CORRECT INFORMATION

ON BOTH TAPE CASSETTES? \*



DID YOU CLOSE THE LATCH?

TIME RECORDER RESET 1500

TIME ALL METERS SUBMERGED: Probe 3 \_\_\_\_\_ Probe 2 \_\_\_\_\_ Probe 1 \_\_\_\_\_

IF YOU HAVE SEEN THE TAPE ADVANCE, PLEASE NOTE TIME AND DATE (spell month):

June 27, 79    1500

REMARKS (problems with equipment, etc.):

#2 Probe - connection ?!

#3 Probe - currents, depth



SAN PABLO - CHIPS ISLAND

DATA LOGGER CHECK SHEET

STATION (spell out) Grizzly Bay \* STATION NUMBER \* 6

CALIFORNIA

CALENDAR DATE: MONTH (spell out) June \* DAY 27 \* YEAR 79 \*CALIFORNIA ARRIVAL TIME 1550DEPARTURE TIME 1608

(leave blank)

RECORDER'S SIGNATURE \_\_\_\_\_

## TASKS ACCOMPLISHED ON THIS STATION VISIT

1) Visual Inspection ☐3) Tape Change ☒5) Damage Repair ☐2) Instrument Check ☒4) Battery Change ☒

6) Other \_\_\_\_\_

## INTERROGATION VALUES

	ZERO	+BATT	-BATT	+ID	V <sub>x</sub>	V <sub>y</sub>	DIR	-ID/DEPTH	C	T	Tr
PROBE 1 (top)	<u>0</u>	<u>12.75</u>	<u>12.68</u>	<u>1.3</u>				<u>1.3</u>	<u>8.82</u>	<u>19.77</u>	<u>0.0</u>
PROBE 2 (mid)											
PROBE 3 (bottom)											

INTERROGATION TIME 1558

TIME METERS OUT OF WATER: Probe 1 \_\_\_\_\_ Probe 2 \_\_\_\_\_ Probe 3 \_\_\_\_\_

TIME OLD CASSETTE REMOVED 1550

OLD CASSETTE LABEL: \* 

C	E	<u>06</u>	<u>06</u>
---	---	-----------	-----------

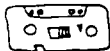
 \* 

<u>B</u>
----------

 ← write A or B

↑ Station Number    ↑ Start Month  
(2 digits)                    (2 digits)

IS NEW TAPE IN CORRECTLY?



DID YOU WRITE THE CORRECT INFORMATIC

ON BOTH TAPE CASSETTES? \*



DID YOU CLOSE THE LATCH?

TIME RECORDER RESET 1600

TIME ALL METERS SUBMERGED: Probe 3 \_\_\_\_\_ Probe 2 \_\_\_\_\_ Probe 1 \_\_\_\_\_

IF YOU HAVE SEEN THE TAPE ADVANCE, PLEASE NOTE TIME AND DATE (spell month):

27 June 791600

REMARKS (problems with equipment, etc.):

Power disconnect 1601 reset 1602xtra record @ beginning



## CORPS OF ENGINEERS PROJECT DACW07-78-C-0049

SAN PABLO - CHIPPS ISLAND

DATA LOGGER CHECK SHEET

STATION (spell out) SAN PABLO \* STATION NUMBER \* 1  
 CALIFORNIA  
 CALENDAR DATE: MONTH (spell out) JULY \* DAY 17 \* YEAR 1979 \*  
 CALIFORNIA ARRIVAL TIME 18:41  
 DEPARTURE TIME 1415

(leave blank)

RECORDER'S SIGNATURE

*Frank Carmelli*

## TASKS ACCOMPLISHED ON THIS STATION VISIT

- |                      |                                     |                     |                                     |
|----------------------|-------------------------------------|---------------------|-------------------------------------|
| 1) Visual Inspection | <input checked="" type="checkbox"/> | 2) Instrument Check | <input checked="" type="checkbox"/> |
| 3) Tape Change       | <input checked="" type="checkbox"/> | 4) Battery Change   | <input checked="" type="checkbox"/> |
| 5) Damage Repair     | <input type="checkbox"/>            | 6) Other            | <u>CHANGE OUT PROBE 2</u>           |

## INTERROGATION VALUES

	ZERO	+BATT	-BATT	+ID	V <sub>x</sub>	V <sub>y</sub>	DIR	-ID/DEPTH	C	T	Tr
PROBE 1 (top)	0	12.89	13.0	.6	+0.4	-0.2	277	.6	31.24	19.47	63
PROBE 2 (mid)				1.2	+0.09	+0.5	210	21	33.46	18.2	68
PROBE 3 (bottom)				1.1	0.06	-0.1	253	28.7	33.85	19.0	0

INTERROGATION TIME 1050

TIME METERS OUT OF WATER: Probe 1 \_\_\_\_\_ Probe 2 \_\_\_\_\_ Probe 3 \_\_\_\_\_

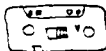
TIME OLD CASSETTE REMOVED 1051 - (Research time?)OLD CASSETTE LABEL: \* 

C	E	01	07	A
---	---	----	----	---

 ← write A or B

↑ Station Number (2 digits)    ↑ Start Month (2 digits)

IS NEW TAPE IN CORRECTLY?



DID YOU WRITE THE CORRECT INFORMATION



ON BOTH TAPE CASSETTES? \*



DID YOU CLOSE THE LATCH?



TIME RECORDER RESET

1320(probes out of water)TIME ALL METERS SUBMERGED: Probe 3 1250 Probe 2 1310 Probe 1 1320

IF YOU HAVE SEEN THE TAPE ADVANCE, PLEASE NOTE TIME AND DATE (spell month):

REMARKS (problems with equipment, etc.):

PROBE 2 DEPTH: 21 FEET



## CORPS OF ENGINEERS PROJECT DACW07-78-C-0049

SAN PABLO - CHIPPS ISLAND

DATA LOGGER CHECK SHEET

STATION (spell out) CACQUINEZ \* STATION NUMBER \* 2

CALIFORNIA

CALENDAR DATE: MONTH (spell out) July 17 \* DAY 17 \* YEAR 1979 \*CALIFORNIA ARRIVAL TIME 1602DEPARTURE TIME 1945

(leave blank)

RECORDER'S SIGNATURE C. Reinhold

## TASKS ACCOMPLISHED ON THIS STATION VISIT

1) Visual Inspection



2) Instrument Check



3) Tape Change



4) Battery Change



5) Damage Repair



6) Other

## INTERROGATION VALUES

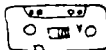
*old battery*

	ZERO	+BATT	-BATT	+ID	V <sub>x</sub>	V <sub>y</sub>	DIR	-ID/DEPTH	C	T	Tr
PROBE 1 (top)	00	9.4	12.2	0.2	-0.06	0.2	155	.2	14.02	21.00	3.8
PROBE 2 (mid)				0.1	0.12	0.07	115	.1	0.03	20.77	4.8
PROBE 3 (bottom)				1.0	0.03	0.08	220	28.4	20.62	20.77	7.0

INTERROGATION TIME 1613TIME METERS OUT OF WATER: Probe 1 1625 Probe 2 ~1640 Probe 3 ~1700TIME OLD CASSETTE REMOVED 1604OLD CASSETTE LABEL: \* C E 02 07 . A ← write A or B

↑ Station Number (2 digits) ↑ Start Month (2 digits)

IS NEW TAPE IN CORRECTLY?

Yes

DID YOU WRITE THE CORRECT INFORMATION

ON BOTH TAPE CASSETTES? \*

Old

DID YOU CLOSE THE LATCH?

YesTIME RECORDER RESET 1630 (*probes out of water*)TIME ALL METERS SUBMERGED: Probe 3 ~1850 Probe 2 ~1910 Probe 1 1930

IF YOU HAVE SEEN THE TAPE ADVANCE, PLEASE NOTE TIME AND DATE (spell month):

1630 July 17, 1979

REMARKS (problems with equipment, etc.):

We have tried to fix conductivity sensor at probe 2 by changing boards. - No luck. We broke a pin on turbidity wire connector. Probe 2 needs to be replaced



## CORPS OF ENGINEERS PROJECT DACW07-78-C-0049

SAN PABLO - CHIPPS ISLAND

## DATA LOGGER CHECK SHEET

STATION (spell out) BENICIA \* STATION NUMBER \* 3

CALIFORNIA

CALENDAR DATE: MONTH (spell out) JULY \* DAY 13 \* YEAR 77 \*CALIFORNIA ARRIVAL TIME 1009DEPARTURE TIME 1509

(leave blank)

RECORDER'S SIGNATURE Conrad Rukish

## TASKS ACCOMPLISHED ON THIS STATION VISIT

1) Visual Inspection



2) Instrument Check



3) Tape Change



4) Battery Change



5) Damage Repair

6) Other CHAIN DOWN WHEEL  
TO FIX TWIST IN WIRE

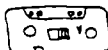
## INTERROGATION VALUES

	ZERO	+BATT	-BATT	+ID	V <sub>x</sub>	V <sub>y</sub>	DIR	-ID/DEPTH	C	T	Tr
PROBE 1 (top)	<u>0</u>	<u>11.98</u>	<u>12.43</u>	<u>1.5</u>	<u>+.49</u>	<u>.59</u>	<u>268</u>	<u>1.5</u>	<u>15.7</u>	<u>20.8</u>	<u>0.1</u>
PROBE 2 (mid)				<u>.5</u>	<u>-.06</u>	<u>+.45</u>	<u>87</u>	<u>.5</u>	<u>16.2</u>	<u>20.5</u>	<u>0.0</u>
PROBE 3 (bottom)				<u>.4</u>	<u>-.2</u>	<u>+.04</u>	<u>79</u>	<u>28.2</u>	<u>15.3</u>	<u>20.5</u>	<u>0.2</u>

INTERROGATION TIME 1012TIME METERS OUT OF WATER: Probe 1 ~1100 Probe 2 ~1130 Probe 3 ~1200TIME OLD CASSETTE REMOVED 1016 (last record on tape @ 1000)OLD CASSETTE LABEL: \* C E 03 07 a ← write A or B

↑ Station Number (2 digits) ↑ Start Month (2 digits)

IS NEW TAPE IN CORRECTLY?



YES

DID YOU WRITE THE CORRECT INFORMATION

ON BOTH TAPE CASSETTES? \*

YES

DID YOU CLOSE THE LATCH?

YES

TIME RECORDER RESET 1500TIME ALL METERS SUBMERGED: Probe 3 ~1400 Probe 2 ~1420 Probe 1 ~1440

IF YOU HAVE SEEN THE TAPE ADVANCE, PLEASE NOTE TIME AND DATE (spell month):

REMARKS (problems with equipment, etc.): Battery Good, Tape Sacs OK.See Back For MORE →



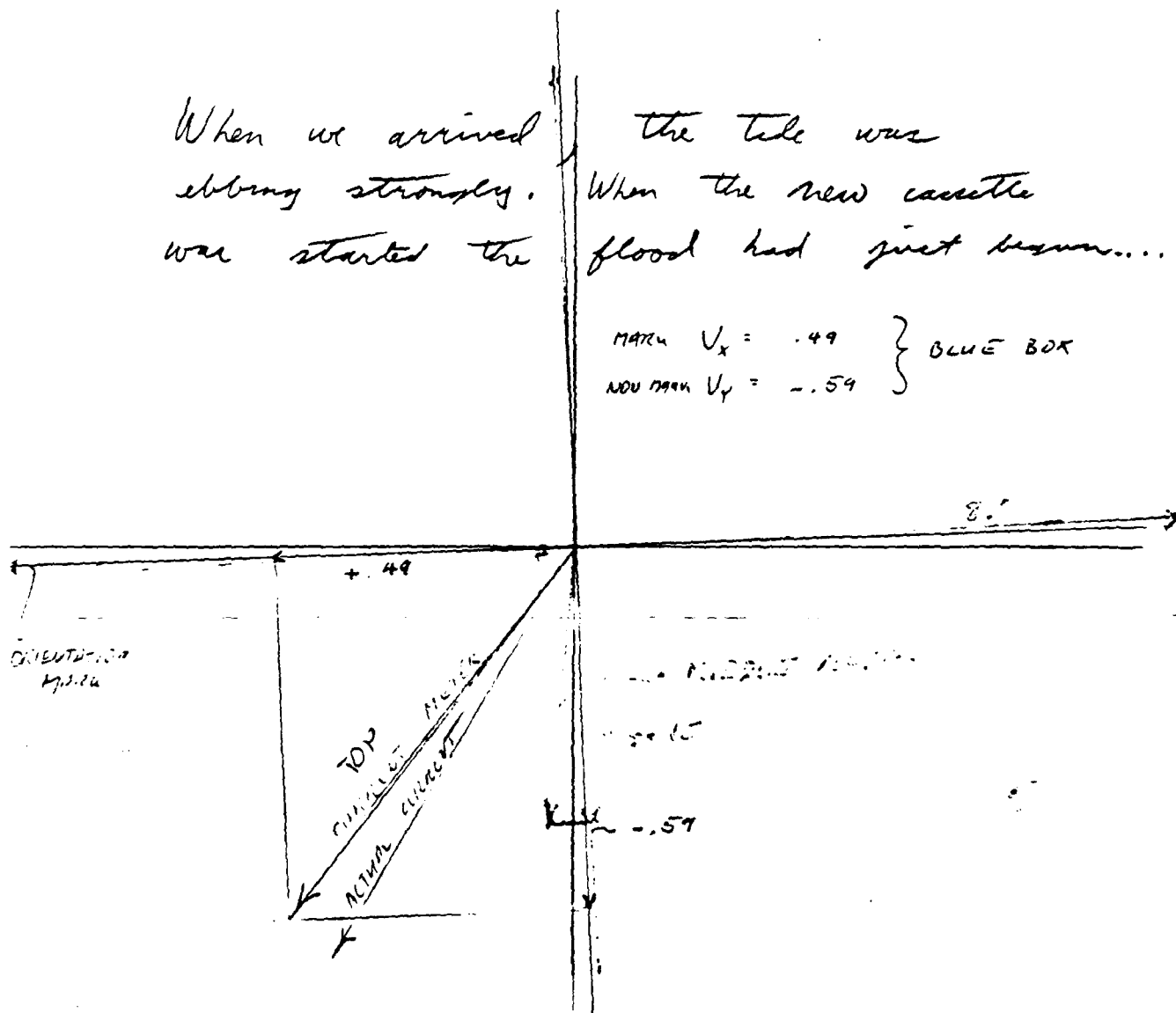
CORPS OF ENGINEERS PROJECT DACW07-78-0049  
 SAN PABLO - CHIPPS ISLAND  
 STATION NAMES

*Station 7.* (3) 13 July 1971

STATION 1	San Pablo (#9)
STATION 2	Carguinez Straits (dock)
STATION 3	Benicia/Martinez Bridge (#6)
STATION 4	Port Chicago (#19)
STATION 5	Chippis Island (#27)
STATION 6	Grizzley Bay (dolphin)

When we arrived the tide was  
 ebbing strongly. When the new cassette  
 was started the flood had just begun....

MARK  $V_x = .49$  } BLUE BOX  
 NOV MARK  $V_y = -.59$





## CORPS OF ENGINEERS PROJECT DACW07-78-C-0049

SAN PABLO - CHIPPS ISLAND

DATA LOGGER CHECK SHEET

STATION (spell out) PORT CHICAGO \* STATION NUMBER \* 4

CALIFORNIA

CALENDAR DATE: MONTH (spell out) JULY \* DAY 13 \* YEAR 1979 \*CALIFORNIA ARRIVAL TIME 1613DEPARTURE TIME 2015

(leave blank)

RECORDER'S SIGNATURE Conrad Redick

## TASKS ACCOMPLISHED ON THIS STATION VISIT

- |                      |                                     |                     |                                     |
|----------------------|-------------------------------------|---------------------|-------------------------------------|
| 1) Visual Inspection | <input checked="" type="checkbox"/> | 2) Instrument Check | <input checked="" type="checkbox"/> |
| 3) Tape Change       | <input checked="" type="checkbox"/> | 4) Battery Change   | <input checked="" type="checkbox"/> |
| 5) Damage Repair     | <input type="checkbox"/>            | 6) Other            | <u>INSTALL NEW RECORDER</u>         |

## INTERROGATION VALUES

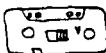
	ZERO	+BATT	-BATT	+ID	V <sub>x</sub>	V <sub>y</sub>	DIR	-ID/DEPTH	C	T	Tr
PROBE 1 (top)	0	11.7	12.8	.7	-0.3	-.25	348	.7	7.95	21.9	0.4
PROBE 2 (mid)				1.4	0.2	-.16	132	1.4	7.56	21.86	0.5
PROBE 3 (bottom)				1.6	0.3	-.1	242	10.74	7.2	21.86	0.0

↑ NOTE BAD READING

INTERROGATION TIME 1629TIME METERS OUT OF WATER: Probe 1 ~ 1645 Probe 2 1700 Probe 3 1715TIME OLD CASSETTE REMOVED 1618OLD CASSETTE LABEL: \* C E BROKEN RECORDER    ← write A or B

↑ Station Number (2 digits)    ↑ Start Month (2 digits)

IS NEW TAPE IN CORRECTLY?

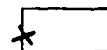


DID YOU WRITE THE CORRECT INFORMATION

ON BOTH TAPE CASSETTES? \*



DID YOU CLOSE THE LATCH?

TIME RECORDER RESET 1930TIME ALL METERS SUBMERGED: Probe 3 ~ 1920 Probe 2 ~ 1945 Probe 1 2006

IF YOU HAVE SEEN THE TAPE ADVANCE, PLEASE NOTE TIME AND DATE (spell month):

1930 13 July 1979

REMARKS (problems with equipment, etc.):

SEE BACK



## SAN PABLO - CHIPPS ISLAND

## STATION NAMES

station?

(4)

13 July 1979

STATION 1	San Pablo (#9)
STATION 2	Carquinez Straits (dock)
STATION 3	Benicia/Martinez Bridge (#6)
STATION 4	Port Chicago (#19)
STATION 5	Chipps Island (#27)
STATION 6	Grizzley Bay (dolphin)

The depth sensor looks bad. We will have to change this one out. When we arrived, the flood was just beginning.

Turbidity Sensor at bottom meter also looks bad.

When we left, the flood was just about over....  
Blue box values seemed about as before



## CORPS OF ENGINEERS PROJECT DACW07-78-C-0049

SAN PABLO - CHIPPS ISLAND

## DATA LOGGER CHECK SHEET

STATION (spell out) CHIPPS ISLAND \* STATION NUMBER \* 5

CALIFORNIA

CALENDAR DATE: MONTH (spell out) July \* DAY 18 \* YEAR 77 \*CALIFORNIA ARRIVAL TIME 0930DEPARTURE TIME 1331

(leave blank)

RECORDER'S SIGNATURE P. Perkins

## TASKS ACCOMPLISHED ON THIS STATION VISIT

- |                      |                                     |                     |  |
|----------------------|-------------------------------------|---------------------|--|
| 1) Visual Inspection | <input checked="" type="checkbox"/> | 2) Instrument Check | <input type="checkbox"/>                   |
| 3) Tape Change       | <input checked="" type="checkbox"/> | 4) Battery Change   | <input checked="" type="checkbox"/>        |
| 5) Damage Repair     | <input type="checkbox"/>            | 6) Other            | <u>INSTALL PROBE FROM SAN P. ON BOTTOM</u> |

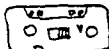
## INTERROGATION VALUES

	ZERO	+BATT	-BATT	+ID	V <sub>x</sub>	V <sub>y</sub>	DIR	-ID/DEPTH	C	T	Tr
PROBE 1 (top)		12.3	11.1	.8	1.4	0.1	270	.8	6.2	21.4	13.
PROBE 2 (mid)				.3	0.9	1.4	245	.3	6.4	21.0	0.0
PROBE 3 (bottom)				.9	3.2	3.7	116	-60.1	9.12	19.43	0.1

INTERROGATION TIME 1022TIME METERS OUT OF WATER: Probe 1 ~ 1100 Probe 2 ~ 1115 Probe 3 ~ 1130TIME OLD CASSETTE REMOVED 1002 [NOTE: THERE MAY BE A PROBLEM. WE BELIEVE THERE IS NO 1000 RECORD - ASSUME] LAST RECORD @ 013.OLD CASSETTE LABEL: \* C E 05 07 . A ← write A or B

↑ Station Number (2 digits) ↑ Start Month (2 digits)

IS NEW TAPE IN CORRECTLY?



DID YOU WRITE THE CORRECT INFORMATION

ON BOTH TAPE CASSETTES? \*



DID YOU CLOSE THE LATCH?

TIME RECORDER RESET 1300 - Probes working well @ 1310TIME ALL METERS SUBMERGED: Probe 3 ~ 1220 Probe 2 ~ 1240 Probe 1 ~ 1300

IF YOU HAVE SEEN THE TAPE ADVANCE, PLEASE NOTE TIME AND DATE (spell month):

Yes 1300 18 July 1977 -

REMARKS (problems with equipment, etc.):

ALL METERS DOWN PROPROBE SPACING IS FUNNY. THIS SHOULD BE CHECKED BY PHILL



## CORPS OF ENGINEERS PROJECT DACW07-78-C-0049

SAN PABLO - CHIPPS ISLAND

DATA LOGGER CHECK SHEET

STATION (spell out) GRIZZLY Bay \* STATION NUMBER \* 6

CALIFORNIA

CALENDAR DATE: MONTH (spell out) July \* DAY 18 \* YEAR 79 \*CALIFORNIA ARRIVAL TIME 1400DEPARTURE TIME Conrad Redick 1645

(leave blank)

RECORDER'S SIGNATURE 

## TASKS ACCOMPLISHED ON THIS STATION VISIT

1) Visual Inspection ☒2) Instrument Check ☒3) Tape Change ☒4) Battery Change ☒5) Damage Repair ☐

6) Other \_\_\_\_\_

## INTERROGATION VALUES

	ZERO	+BATT	-BATT	+ID	V <sub>x</sub>	V <sub>y</sub>	DIR	-ID/DEPTH	C	T	Tr
PROBE 1 (top)	0	12.95	13.02	1.3				1.3	5.82	20.81	0
PROBE 2 (mid)											
PROBE 3 (bottom)											

INTERROGATION TIME 1450TIME METERS OUT OF WATER: Probe 1 APPROX 1500 Probe 2 \_\_\_\_\_ Probe 3 \_\_\_\_\_TIME OLD CASSETTE REMOVED 1421OLD CASSETTE LABEL: \* 

C E	06	07	A
-----	----	----	---

 ← write A or B

↑ Station Number (2 digits)    ↑ Start Month (2 digits)

IS NEW TAPE IN CORRECTLY? ☒

Yes

DID YOU WRITE THE CORRECT INFORMATION

ON BOTH TAPE CASSETTES? \* ☒DID YOU CLOSE THE LATCH? ☒TIME RECORDER RESET 1630TIME ALL METERS SUBMERGED: Probe 1 1455 Probe 2 \_\_\_\_\_ Probe 3 \_\_\_\_\_

IF YOU HAVE SEEN THE TAPE ADVANCE, PLEASE NOTE TIME AND DATE (spell month):

REMARKS (problems with equipment, etc.):

Much fouling. Shovel added in meter release  
 Fouling probably led to bad turbidity readings



## CORPS OF ENGINEERS PROJECT DACW07-78-C-0049

SAN PABLO - CHIPPS ISLAND

DATA LOGGER CHECK SHEET

STATION (spell out) SAN PABLO BAY \* STATION NUMBER \* 1

CALIFORNIA

CALENDAR DATE: MONTH (spell out) AUGUST \* DAY 6 \* YEAR 77 \*CALIFORNIA ARRIVAL TIME 0700DEPARTURE TIME 1005

(leave blank)

RECORDER'S SIGNATURE Conrad Ruder

## TASKS ACCOMPLISHED ON THIS STATION VISIT

1) Visual Inspection ☐2) Instrument Check ☐3) Tape Change ☒4) Battery Change ☒5) Damage Repair ☐

6) Other \_\_\_\_\_

## INTERROGATION VALUES

	ZERO	+BATT	-BATT	+ID	V <sub>x</sub>	V <sub>y</sub>	DIR	-ID/DEPTH	C	T	Tr
PROBE 1 (top)	00	12.00	12.00	0.6	5.5	5.5	180	0.6	32.53	10.00	4.0
PROBE 2 (mid)				1.7	5.5	5.5	270	1.7	34.75	10.00	3.0
PROBE 3 (bottom)				1.1	5.5	5.5	180	29.2	34.00	10.00	0.0

INTERROGATION TIME 0852

TIME METERS OUT OF WATER: Probe 1 \_\_\_\_\_ Probe 2 \_\_\_\_\_ Probe 3 \_\_\_\_\_

TIME OLD CASSETTE REMOVED 0838OLD CASSETTE LABEL: \* 

C	E	01	C7
---	---	----	----

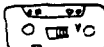
 . 

B
---

 ← write A or B

↑ Station Number (2 digits)    ↑ Start Month (2 digits)

IS NEW TAPE IN CORRECTLY?



DID YOU WRITE THE CORRECT INFORMATION

ON BOTH TAPE CASSETTES? \*



DID YOU CLOSE THE LATCH?

TIME RECORDER RESET 1000

TIME ALL METERS SUBMERGED: Probe 3 \_\_\_\_\_ Probe 2 \_\_\_\_\_ Probe 1 \_\_\_\_\_

IF YOU HAVE SEEN THE TAPE ADVANCE, PLEASE NOTE TIME AND DATE (spell month):

REMARKS (problems with equipment, etc.):



## SAN PABLO - CHIPPS ISLAND

## DATA LOGGER CHECK SHEET

STATION (spell out) CHIPPIS \* STATION NUMBER \* 2

CALIFORNIA

CALENDAR DATE: MONTH (spell out) AUGUST \* DAY 10 \* YEAR 79 \*CALIFORNIA ARRIVAL TIME 1100DEPARTURE TIME 1430

(leave blank)

RECORDER'S SIGNATURE Conrad R. Smith

## TASKS ACCOMPLISHED ON THIS STATION VISIT

1) Visual Inspection ☐3) Tape Change ☒5) Damage Repair ☐2) Instrument Check ☒4) Battery Change ☒

6) Other

Repair probe 2(Change turbidity connector)

OLD BATTERIES

## INTERROGATION VALUES

	ZERO	+BATT	-BATT	+ID	V <sub>x</sub>	V <sub>y</sub>	DIR	-ID/DEPTH	C	T	Tr
PROBE 1 (top)		11.9	11.9	-2	0.16	0.5	183	-2	20.26	20.14	3.6
PROBE 2 (mid)				.1	0.5	0.2	120	.1	21.43	20.05	0.0
PROBE 3 (bottom)				1.0	0.0	0.05	216	26.3	24.2	20.0	0.0

some variationINTERROGATION TIME 1115TIME METERS OUT OF WATER: Probe 1 about 1200 all were outTIME OLD CASSETTE REMOVED 1115

OLD CASSETTE LABEL: \*

C E

02

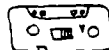
07

P

← write A or B

↑ Station Number (2 digits) ↑ Start Month (2 digits)

IS NEW TAPE IN CORRECTLY?



DID YOU WRITE THE CORRECT INFORMATION

ON BOTH TAPE CASSETTES? \*



DID YOU CLOSE THE LATCH?

TIME RECORDER RESET 1330TIME ALL METERS SUBMERGED: Probe 3 APPROX Probe 2 1415 Probe 1 1415

IF YOU HAVE SEEN THE TAPE ADVANCE, PLEASE NOTE TIME AND DATE (spell month):

We saw it advance

REMARKS (problems with equipment, etc.):

Note. Continuity on #2 is ok. We changed turbidity connector on probe 2. We cleaned turb. connector on probe 3.

NOTE: Probe 3 connector pin is ready to go with connector at the base. OVER →



CORPS OF ENGINEERS PROJECT DACW07-78-0049

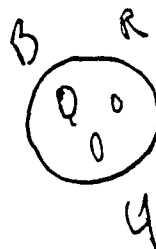
SAN PABLO - CHIPPS ISLAND

STATION NAMES

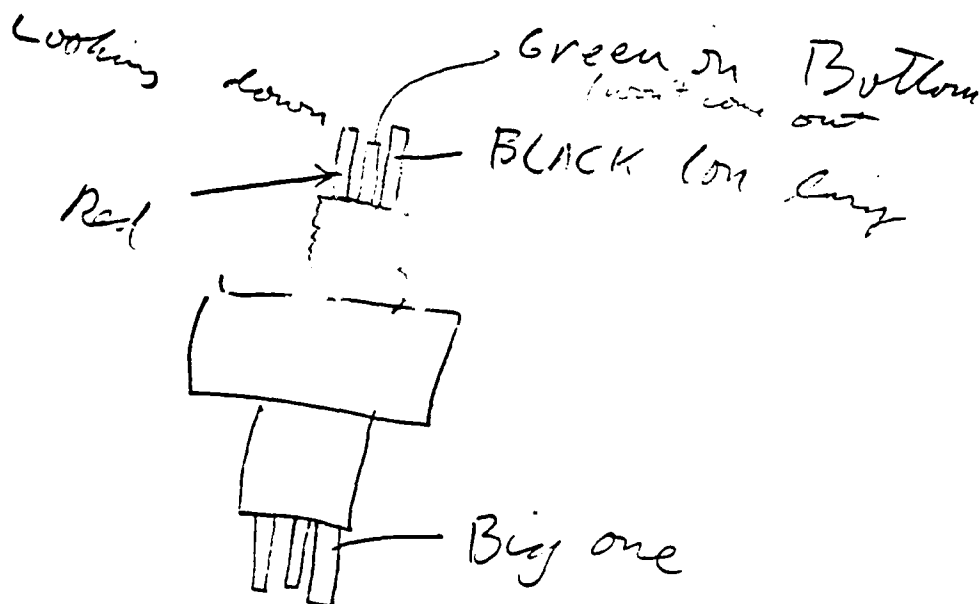
6 Aug 1974

STATION 1	San Pablo (#9)
STATION 2	Carquinez Straits (dock)
STATION 3	Benicia/Martinez Bridge (#6)
STATION 4	Port Chicago (#19)
STATION 5	Chipps Island (#27)
STATION 6	Grizzley Bay (dolphin)

When we fixed it, we got around 44.  
 We changed the cable after noting conductivity  
 did not work. It now works fine  
 with a NEW cable.



OK





SAN PABLO - CHIPPS ISLAND

DATA LOGGER CHECK SHEET

STATION (spell out) BENIC \* STATION NUMBER \* 3

CALIFORNIA

CALENDAR DATE: MONTH (spell out) August \* DAY 6 \* YEAR 79CALIFORNIA ARRIVAL TIME 1510DEPARTURE TIME 1550

(leave blank)

RECORDER'S SIGNATURE Conrad Perkins

## TASKS ACCOMPLISHED ON THIS STATION VISIT

- |                      |                                     |                     |                                     |
|----------------------|-------------------------------------|---------------------|-------------------------------------|
| 1) Visual Inspection | <input type="checkbox"/>            | 2) Instrument Check | <input type="checkbox"/>            |
| 3) Tape Change       | <input checked="" type="checkbox"/> | 4) Battery Change   | <input checked="" type="checkbox"/> |
| 5) Damage Repair     | <input type="checkbox"/>            | 6) Other            |                                     |

## INTERROGATION VALUES

	ZERO	+BATT	-BATT	+ID	V <sub>x</sub>	V <sub>y</sub>	DIR	-ID/DEPTH	C	T	Tr
PROBE 1 (top)	0	12.67	12.76	1.5	.019	.029	273	1.5	20.15	19.95	0.1
PROBE 2 (mid)				.5	.013	.022	128	.5	22.25	19.96	1.6
PROBE 3 (bottom)				.4	.020	.012	137	+51.30	22.70	19.95	2.1

} zero  
in 1 minute

INTERROGATION TIME \_\_\_\_\_

TIME METERS OUT OF WATER: Probe 1 \_\_\_\_\_ Probe 2 \_\_\_\_\_ Probe 3 \_\_\_\_\_

TIME OLD CASSETTE REMOVED ~ 1515

OLD CASSETTE LABEL: \* 

C E	03	07
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 . 

B
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 ← write A or B

↑ Station Number    ↑ Start Month  
(2 digits)            (2 digits)

IS NEW TAPE IN CORRECTLY? ☒ DID YOU WRITE THE CORRECT INFORMATIONON BOTH TAPE CASSETTES? \* ☐ DID YOU CLOSE THE LATCH? ☐TIME RECORDER RESET 1530

TIME ALL METERS SUBMERGED: Probe 3 \_\_\_\_\_ Probe 2 \_\_\_\_\_ Probe 1 \_\_\_\_\_

IF YOU HAVE SEEN THE TAPE ADVANCE, PLEASE NOTE TIME AND DATE (spell month):

REMARKS (problems with equipment, etc.):

BATTERY TERMINALS PRETTY BADLY FROZEN - TOOK  
SOME TIME TO FIX



SAN PABLO - CHIPPS ISLAND

DATA LOGGER CHECK SHEET

STATION (spell out) POINT CHICAGO \* STATION NUMBER 4

CALIFORNIA

CALENDAR DATE: MONTH (spell out) AUGUST \* DAY 6 \* YEAR 79 \*CALIFORNIA ARRIVAL TIME 1805DEPARTURE TIME 2045 !

(leave blank)

RECORDER'S SIGNATURE \_\_\_\_\_

## TASKS ACCOMPLISHED ON THIS STATION VISIT

- |                      |                                     |                     |                                     |
|----------------------|-------------------------------------|---------------------|-------------------------------------|
| 1) Visual Inspection | <input type="checkbox"/>            | 2) Instrument Check | <input type="checkbox"/>            |
| 3) Tape Change       | <input checked="" type="checkbox"/> | 4) Battery Change   | <input checked="" type="checkbox"/> |
| 5) Damage Repair     | <input type="checkbox"/>            | 6) Other            | <u>HAUGE DEPTH PROBE</u>            |

## INTERROGATION VALUES

	ZERO	+BATT	-BATT	+ID	V <sub>x</sub>	V <sub>y</sub>	DIR	-ID/DEPTH	C	T	Tr	
PROBE 1 (top)	<u>Un...</u>	<u>internal</u>		<u>.7</u>	<u>0.4</u>	<u>0.2</u>	<u>733</u>	<u>.7</u>	<u>2.6</u>	<u>52.5</u>	<u>428</u>	<u>??</u>
PROBE 2 (mid)				<u>1.4</u>	<u>0.0</u>	<u>0.52</u>	<u>180</u>	<u>1.4</u>	<u>13.78</u>	<u>20.8</u>	<u>0.5</u>	
PROBE 3 (bottom)				<u>.5</u>	<u>0.08</u>	<u>0.2</u>	<u>1.3</u>	<u>2.3</u>	<u>0.08</u>	<u>3.33</u>	<u>0.5</u>	<u>~</u>

INTERROGATION TIME 1815TIME METERS OUT OF WATER: Probe 1 APPROX 1400 Probe 2 \_\_\_\_\_ Probe 3 \_\_\_\_\_TIME OLD CASSETTE REMOVED 1810

OLD CASSETTE LABEL: \* 

C E	04	87
-----	----	----

 . 

B
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 ← write A or B

↑ Station Number (2 digits)    ↑ Start Month (2 digits)

IS NEW TAPE IN CORRECTLY? ☒ DID YOU WRITE THE CORRECT INFORMATIONON BOTH TAPE CASSETTES? \* ☐ DID YOU CLOSE THE LATCH? ☐TIME RECORDER RESET 2030 ONLY MIDDLE PROBE LEFTTIME ALL METERS SUBMERGED: Probe 3 GONE Probe 2 0825 Probe 1 GONE

IF YOU HAVE SEEN THE TAPE ADVANCE, PLEASE NOTE TIME AND DATE (spell month):

REMARKS (problems with equipment, etc.): OLD TAPE "BOTTOMED OUT"  
We don't know where it stopped. Old battery not  
rechargeable



SAN PABLO - CHIPPS ISLAND

DATA LOGGER CHECK SHEET

STATION (spe: out) CHIPPS ISLAND \* STATION NUMBER \* 5

CALIFORNIA

CALENDAR DATE: MONTH (spell out) AUGUST \* DAY 6 \* YEAR 77 \*CALIFORNIA ARRIVAL TIME 1630DEPARTURE TIME 1735

(leave blank)

RECORDER'S SIGNATURE Conrad Reiche

## TASKS ACCOMPLISHED ON THIS STATION VISIT

- |                      |                                     |                     |                                     |
|----------------------|-------------------------------------|---------------------|-------------------------------------|
| 1) Visual Inspection | <input type="checkbox"/>            | 2) Instrument Check | <input type="checkbox"/>            |
| 3) Tape Change       | <input checked="" type="checkbox"/> | 4) Battery Change   | <input checked="" type="checkbox"/> |
| 5) Damage Repair     | <input type="checkbox"/>            | 6) Other            | <u>                    </u>         |

## INTERROGATION VALUES

	ZERO	+BATT	-BATT	+ID	V <sub>x</sub>	V <sub>y</sub>	DIR	-ID/DEPTH	C	T	Tr
PROBE 1 (top)	<u>0.70</u>	<u>12.50</u>	<u>12.64</u>	<u>.8</u>	<u>0.20</u>	<u>0.20</u>	<u>300</u>	<u>-.8</u>	<u>9.70</u>	<u>21.5</u>	<u>7.2</u>
PROBE 2 (mid)				<u>.3</u>	<u>0.05</u>	<u>0.10</u>	<u>299</u>	<u>-.30</u>	<u>9.70</u>	<u>20.2</u>	<u>7.2</u>
PROBE 3 (bottom)				<u>1.25</u>	<u>0.05</u>	<u>0.15</u>	<u>243</u>	<u>21.34</u>	<u>9.57</u>	<u>21.12</u>	<u>7.1</u>

INTERROGATION TIME 16 45TIME METERS OUT OF WATER: Probe 1            Probe 2            Probe 3           TIME OLD CASSETTE REMOVED 1635OLD CASSETTE LABEL: \* CE 05 07 B ← write A or B

↑ Station Number    ↑ Start Month  
(2 digits)            (2 digits)

IS NEW TAPE IN CORRECTLY? ☒ DID YOU WRITE THE CORRECT INFORMATIONON BOTH TAPE CASSETTES? \* ☐ DID YOU CLOSE THE LATCH? ☐TIME RECORDER RESET 1730TIME ALL METERS SUBMERGED: Probe 3            Probe 2            Probe 1           

IF YOU HAVE SEEN THE TAPE ADVANCE, PLEASE NOTE TIME AND DATE (spell month):

REMARKS (problems with equipment, etc.):

NOTE: Two lines the first record. Tape was loaded forward after a bad record. First data record at 1700 is bad. Delete first data record. This was caused by a wire disconnection.



SAN PABLO - CHIPPS ISLAND  
DATA LOGGER CHECK SHEET

STATION (spell out) GRIZZLY BAY \* STATION NUMBER \* 6

CALIFORNIA

CALENDAR DATE: MONTH (spell out) AUGUST \* DAY 6 \* YEAR 77 \*

CALIFORNIA ARRIVAL TIME 2135

DEPARTURE TIME 2207

(leave blank)

RECORDER'S SIGNATURE Conrad Redick

TASKS ACCOMPLISHED ON THIS STATION VISIT

- |                      |                                     |                     |                                     |
|----------------------|-------------------------------------|---------------------|-------------------------------------|
| 1) Visual Inspection | <input type="checkbox"/>            | 2) Instrument Check | <input type="checkbox"/>            |
| 3) Tape Change       | <input checked="" type="checkbox"/> | 4) Battery Change   | <input checked="" type="checkbox"/> |
| 5) Damage Repair     | <input type="checkbox"/>            | 6) Other            | <u>                    </u>         |

INTERROGATION VALUES

	ZERO	+BATT	-BATT	+ID	V <sub>x</sub>	V <sub>y</sub>	DIR	-ID/DEPTH	C	T	Tr
PROBE 1 (top)	0.0	12.58	2.3	1.3				1.3/	9.58	21.1	0.0
PROBE 2 (mid)											
PROBE 3 (bottom)											

INTERROGATION TIME 2150

TIME METERS OUT OF WATER: Probe 1                      Probe 2                      Probe 3                     

TIME OLD CASSETTE REMOVED 2140

OLD CASSETTE LABEL: \* 

C	E	86	87
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 . 

B
---

 ← write A or B  
↑ Station Number (2 digits)
↑ Start Month (2 digits)

IS NEW TAPE IN CORRECTLY? ☒ DID YOU WRITE THE CORRECT INFORMATION

ON BOTH TAPE CASSETTES? \* ☐ DID YOU CLOSE THE LATCH? ☐

TIME RECORDER RESET 2200

TIME ALL METERS SUBMERGED: Probe 3                      Probe 2                      Probe 1                     

IF YOU HAVE SEEN THE TAPE ADVANCE, PLEASE NOTE TIME AND DATE (spell month):

REMARKS (problems with equipment, etc.):



SAN PABLO - CHIPPS ISLAND

DATA LOGGER CHECK SHEET

STATION (spell out) San Pablo \* STATION NUMBER \* 1

CALIFORNIA

CALENDAR DATE: MONTH (spell out) AUGUST \* DAY 22 \* YEAR 79 \*CALIFORNIA ARRIVAL TIME 1205DEPARTURE TIME 1450

(leave blank)

RECORDER'S SIGNATURE Conrad Reckwitz

## TASKS ACCOMPLISHED ON THIS STATION VISIT

1) Visual Inspection ☒2) Instrument Check ☒3) Tape Change ☒4) Battery Change ☒5) Damage Repair ☐

6) Other \_\_\_\_\_

000 34775

## INTERROGATION VALUES

	ZERO	+BATT	-BATT	+ID	V <sub>x</sub>	V <sub>y</sub>	DIR	-ID/DEPTH	C	T	Tr
PROBE 1 (top)	00	11.7	12.0	.6	0.7	0.5	209	0.6	30.85	19.025	
PROBE 2 (mid)				1.7	0.7	5.3	257	1.7	23.12	17.52	10
PROBE 3 (bottom)				1.1	0.05	0.09	172	30.8	23.78	17.97	0?

INTERROGATION TIME 1217TIME METERS OUT OF WATER: Probe 1 APPROX 1230 Probe 2 ~ 1245 Probe 3 APPROX 1300TIME OLD CASSETTE REMOVED 1215 => last run 1200OLD CASSETTE LABEL: \* 

C	E	01	08
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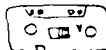
 \* 

A
---

 ← write A or B

↑ Station Number (2 digits) ↑ Start Month (2 digits)

IS NEW TAPE IN CORRECTLY?



YES

DID YOU WRITE THE CORRECT INFORMATION

ON BOTH TAPE CASSETTES? \*

old

DID YOU CLOSE THE LATCH?

YES

TIME FOR ORDER RESET 1330TIME ALL METERS SUBMERGED: Probe 3 ~ 1345 Probe 2 ~ 1415 Probe 1 ~ 1430

IF YOU HAVE SEEN THE TAPE ADVANCE, PLEASE NOTE TIME AND DATE (spell month):

1200 22 27

MARKS (problems with equipment, etc.):

E-FOX PUT ON ALL CURRENT PROBES



## CORPS OF ENGINEERS PROJECT DACW07-78-C-0049

SAN PABLO - CHIPPS ISLAND

## DATA LOGGER CHECK SHEET

STATION (spell out) CAIRQUINE 2 \* STATION NUMBER \* 2

CALIFORNIA

CALENDAR DATE: MONTH (spell out) AUGUST \* DAY 22 \* YEAR 79 \*CALIFORNIA ARRIVAL TIME 1620DEPARTURE TIME 1830

(leave blank)

RECORDER'S SIGNATURE Conrad R. ...

## TASKS ACCOMPLISHED ON THIS STATION VISIT

1) Visual Inspection ☒2) Instrument Check ☒3) Tape Change ☒4) Battery Change ☐5) Damage Repair ☐

6) Other \_\_\_\_\_

## INTERROGATION VALUES

	ZERO	+BATT	-BATT	+ID	V <sub>x</sub>	V <sub>y</sub>	DIR	-ID/DEPTH	C	T	Tr
PROBE 1 (top)	<u>0.00</u>	<u>11.8</u>	<u>12.5</u>	<u>.19</u>	<u>.02</u>	<u>.2</u>	<u>188</u>	<u>.19</u>	<u>32.62</u>	<u>20.25</u>	<u>46.7</u>
PROBE 2 (mid)				<u>.09</u>	<u>.01</u>	<u>.01</u>	<u>316</u>	<u>.10</u>	<u>29.79</u>	<u>20.25</u>	<u>46.7</u>
PROBE 3 (bottom)				<u>.99</u>	<u>.01</u>	<u>.02</u>	<u>227</u>	<u>27.22</u>	<u>30.91</u>	<u>20.25</u>	<u>-ve</u>

Probably  
bad  
pinINTERROGATION TIME 1630 (Possibly blue box in 1 d.c. of recording)TIME METERS OUT OF WATER: Probe 1 16:20x 1645.51111T Probe 2 \_\_\_\_\_ Probe 3 \_\_\_\_\_TIME OLD CASSETTE REMOVED 1635 (last read 1630)OLD CASSETTE LABEL: \* 

C	E	02	08	.	A
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 ← write A or B

↑ Station Number (2 digits) ↑ Start Month (2 digits)

IS NEW TAPE IN CORRECTLY? ☒

DID YOU WRITE THE CORRECT INFORMATION

ON BOTH TAPE CASSETTES? \* ☒DID YOU CLOSE THE LATCH? ☒TIME RECORDER RESET 1700TIME ALL METERS SUBMERGED: Probe 3 1745 Probe 2 ~1800 Probe 1 1820

IF YOU HAVE SEEN THE TAPE ADVANCE, PLEASE NOTE TIME AND DATE (spell month):

1700 August 22, 1979

REMARKS (problems with equipment, etc.):



## SAN PABLO - CHIPPS ISLAND

## DATA LOGGER CHECK SHEET

STATION (spell out) BENICIA \* STATION NUMBER \* 3

CALIFORNIA

CALENDAR DATE: MONTH (spell out) AUGUST \* DAY 23 \* YEAR 1977 \*CALIFORNIA ARRIVAL TIME 0855DEPARTURE TIME 1145

(leave blank)

RECORDER'S SIGNATURE Conrad Perkins

## TASKS ACCOMPLISHED ON THIS STATION VISIT

- |                      |                                     |                     |                                     |
|----------------------|-------------------------------------|---------------------|-------------------------------------|
| 1) Visual Inspection | <input checked="" type="checkbox"/> | 2) Instrument Check | <input checked="" type="checkbox"/> |
| 3) Tape Change       | <input checked="" type="checkbox"/> | 4) Battery Change   | <input checked="" type="checkbox"/> |
| 5) Damage Repair     | <input type="checkbox"/>            | 6) Other            |                                     |

## INTERROGATION VALUES

	ZERO	+BATT	-BATT	+ID	V <sub>x</sub>	V <sub>y</sub>	DIR	-ID/DEPTH	C	T	Tr
PROBE 1 (top)	000	12.1	12.5	1.5	33	30	257	1.5	15.10	20.20	1.5
PROBE 2 (mid)				.5	1.5	1.1	070	-1.5	18.01	20.22	00
PROBE 3 (bottom)				.4	1.25	1.1	040	27.74	13.07	20.30	

INTERROGATION TIME 0918TIME METERS OUT OF WATER: Probe 1 0920 Probe 2 ~ 950 Probe 3 1000TIME OLD CASSETTE REMOVED ~ 0905OLD CASSETTE LABEL: \* 

C E	03	08
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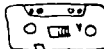
 \* 

A
---

 ← write A or B

↑ Station Number    ↑ Start Month  
 (2 digits)            (2 digits)

IS NEW TAPE IN CORRECTLY?



DID YOU WRITE THE CORRECT INFORMATION

ON BOTH TAPE CASSETTES? \*



DID YOU CLOSE THE LATCH?

TIME RECORDER RESET 1100TIME ALL METERS SUBMERGED: Probe 3 1040 Probe 2 ~ Probe 1 1120 <sup>APPROX</sup>

IF YOU HAVE SEEN THE TAPE ADVANCE, PLEASE NOTE TIME AND DATE (spell month):

MARKS (problems with equipment, etc.):

MAY BE DATA PROBLEMS -

GRAND CONNECT MAY  
HAVE BEEN LOOSENED



SAN PABLO - CHIPPS ISLAND

DATA LOGGER CHECK SHEET

STATION (spell out) PORT CHICAGO \* STATION NUMBER \* 4

CALIFORNIA

CALENDAR DATE: MONTH (spell out) AUGUST \* DAY 23 \* YEAR 79 \*CALIFORNIA ARRIVAL TIME 1900DEPARTURE TIME 2030

(leave blank)

RECORDER'S SIGNATURE \_\_\_\_\_

## TASKS ACCOMPLISHED ON THIS STATION VISIT

- |                      |                                     |                     |                                     |
|----------------------|-------------------------------------|---------------------|-------------------------------------|
| 1) Visual Inspection | <input checked="" type="checkbox"/> | 2) Instrument Check | <input checked="" type="checkbox"/> |
| 3) Tape Change       | <input checked="" type="checkbox"/> | 4) Battery Change   | <input checked="" type="checkbox"/> |
| 5) Damage Repair     | <input type="checkbox"/>            | 6) Other            | _____                               |

## INTERROGATION VALUES

	ZERO	+BATT	-BATT	+ID	V <sub>x</sub>	V <sub>y</sub>	DIR	-ID/DEPTH	C	T	Tr
PROBE 1 (top)											
PROBE 2 (mid)	000	11.56	12.39	1.39	1.07	1.12	210	1.38	13.15	208	-3
PROBE 3 (bottom)											

INTERROGATION TIME APPROX 1910TIME METERS OUT OF WATER: Probe 1 \_\_\_\_\_ Probe 2 2015 Probe 3 ABOUT 2000TIME OLD CASSETTE REMOVED 1915OLD CASSETTE LABEL: \* 

C	E	04	08
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 \* 

A
---

 ← write A or B

↑ Station Number    ↑ Start Month  
 (2 digits)            (2 digits)

IS NEW TAPE IN CORRECTLY? ☒ DID YOU WRITE THE CORRECT INFORMATIONON BOTH TAPE CASSETTES? \* ☐ DID YOU CLOSE THE LATCH? ☐TIME RECORDER RESET 1930

TIME ALL METERS SUBMERGED: Probe 3 \_\_\_\_\_ Probe 2 \_\_\_\_\_ Probe 1 \_\_\_\_\_

IF YOU HAVE SEEN THE TAPE ADVANCE, PLEASE NOTE TIME AND DATE (spell month):

MARKS (problems with equipment, etc.):



## CORPS OF ENGINEERS PROJECT DACW07-78-C-0049

SAN PABLO - CHIPPS ISLAND

## DATA LOGGER CHECK SHEET

STATION (spell out) CHIPPS ISLAND \* STATION NUMBER \* 5

CALIFORNIA

CALENDAR DATE: MONTH (spell out) AUGUST \* DAY 23 \* YEAR 1979 \*CALIFORNIA ARRIVAL TIME 1600DEPARTURE TIME 1815

(leave blank)

RECORDER'S SIGNATURE C. R. R. R.

## TASKS ACCOMPLISHED ON THIS STATION VISIT

1) Visual Inspection ☒3) Tape Change ☒5) Damage Repair ☐2) Instrument Check ☒4) Battery Change ☒

6) Other \_\_\_\_\_

## INTERROGATION VALUES

	ZERO	+BATT	-BATT	+ID	V <sub>x</sub>	V <sub>y</sub>	DIR	-ID/DEPTH	C	T	Tr
PROBE 1 (top)	00	11.7	12.4	0.81	+0.6	1.4	210	.8	4.40	21.60	1.0
PROBE 2 (mid)				.3	+4.5	1.5	198	-.3	6.0	21.11	.4
PROBE 3 (bottom)				1.2	+1.3	.2	138	21.9	4.4	21.5	.1
					1.2	1.1	135				

INTERROGATION TIME 1616

TIME METERS OUT OF WATER: Probe 1 \_\_\_\_\_ Probe 2 \_\_\_\_\_ Probe 3 \_\_\_\_\_

TIME OLD CASSETTE REMOVED 1615OLD CASSETTE LABEL: \* 

C E	05	08
-----	----	----

 . 

A
---

 ← write A or B

↑ Station Number (2 digits)    ↑ Start Month (2 digits)

IS NEW TAPE IN CORRECTLY? ☒

DID YOU WRITE THE CORRECT INFORMATION

ON BOTH TAPE CASSETTES? \* ☐DID YOU CLOSE THE LATCH? ☐TIME RECORDER RESET 1730TIME ALL METERS SUBMERGED: Probe 3 1720 Probe 2 1745 Probe 1 1800

IF YOU HAVE SEEN THE TAPE ADVANCE, PLEASE NOTE TIME AND DATE (spell month):

1800

REMARKS (problems with equipment, etc.): The tape would not advance w. the old battery. There is tape on the recorder. There may be problem at the end of the file. SEE BACK



CORPS OF ENGINEERS PROJECT DACW07-78-0049  
SAN PABLO - CHIPPS ISLAND  
STATION NAMES

STATION 1	San Pablo (#9)
STATION 2	Carquinez Straits (dock)
STATION 3	Benicia/Martinez Bridge (#6)
STATION 4	Port Chicago (#19)
STATION 5	Chipps Island (#27)
STATION 6	Grizzley Bay (dolphin)

TAPE MAY HAVE BEEN JAMMED.  
WOULD NOT ADVANCE EXCEPT WITH  
HEAD LATCH CLOSED. ALL OTHER TAPES &  
RECORDERS ALLOW TAPE ADVANCE  
WITHOUT LATCH CLOSED. NEW TAPE  
ADVANCED NORMALLY

Station 5 - 23 Aug 79  
ccø5ø8, a



## SAN PABLO - CHIPPS ISLAND

## DATA LOGGER CHECK SHEET

STATION (spell out) GRIZZLY BAY \* STATION NUMBER \* 6

CALIFORNIA

CALENDAR DATE: MONTH (spell out) AUGUST \* DAY 23 \* YEAR 79 \*CALIFORNIA ARRIVAL TIME 1320DEPARTURE TIME 1445

(leave blank)

RECORDER'S SIGNATURE Cornel Reiche

## TASKS ACCOMPLISHED ON THIS STATION VISIT

1) Visual Inspection



2) Instrument Check



3) Tape Change



4) Battery Change



5) Damage Repair



6) Other \_\_\_\_\_

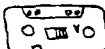
## INTERROGATION VALUES

	ZERO	+BATT	-BATT	+ID	V <sub>x</sub>	V <sub>y</sub>	DIR	-ID/DEPTH	C	T	Tr
PROBE 1 (top)	<u>0.00</u>	<u>12.3</u>	<u>12.6</u>	<u>1.31</u>				<u>1.31</u>	<u>4.40</u>	<u>2.85</u>	<u>0</u>
PROBE 2 (mid)											
PROBE 3 (bottom)											

INTERROGATION TIME 1325TIME METERS OUT OF WATER: Probe 1 ~1335 Probe 2 \_\_\_\_\_ Probe 3 \_\_\_\_\_TIME OLD CASSETTE REMOVED 1327 (last good read 1300\*) \* MAY BE AN EXTRA RECORD AT 1330 - BATTERIES RAN E 1329OLD CASSETTE LABEL: \* C E 06 08 A ← write A or B

↑ Station Number (2 digits) ↑ Start Month (2 digits)

IS NEW TAPE IN CORRECTLY?



DID YOU WRITE THE CORRECT INFORMATION

ON BOTH TAPE CASSETTES? \*



DID YOU CLOSE THE LATCH?

TIME RECORDER RESET 1430TIME ALL METERS SUBMERGED: Probe 3 \_\_\_\_\_ Probe 2 \_\_\_\_\_ Probe 1 ~1428

IF YOU HAVE SEEN THE TAPE ADVANCE, PLEASE NOTE TIME AND DATE (spell month):

REMARKS (problems with equipment, etc.):

NOTE:

And there may be an extra record or type of that. SO: Assume beginning of garbage is after 1300. Last good read at 1300.



## CORPS OF ENGINEERS PROJECT DACW07-78-C-0049

SAN PABLO - CHIPPS ISLAND

DATA LOGGER CHECK SHEET

STATION (spell out) San Pablo \* STATION NUMBER \* 1

CALIFORNIA

CALENDAR DATE: MONTH (spell out) SEPT. \* DAY 17 \* YEAR 79 \*CALIFORNIA ARRIVAL TIME 0950DEPARTURE TIME 1010

(leave blank)

RECORDER'S SIGNATURE P. Carpenter

## TASKS ACCOMPLISHED ON THIS STATION VISIT

1) Visual Inspection ☐3) Tape Change ☒5) Damage Repair ☐2) Instrument Check ☐4) Battery Change ☐6) Other ☐

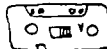
## INTERROGATION VALUES

	ZERO	+BATT	-BATT	+ID	V <sub>x</sub>	V <sub>y</sub>	DIR	-ID/DEPTH	C	T	Tr
PROBE 1 (top)	0.002	12.4	12.5	0.6	0.8	211	0.6	34.28	20.95	48	
PROBE 2 (mid)				1.7	-0.5	+0.10	247	1.7	35.94	20.58	5.5
PROBE 3 (bottom)				1.1	+0.1	-0.6	176	30.7	35.45	20.97	0.3

INTERROGATION TIME 1005TIME METERS OUT OF WATER: Probe 1 -NA- Probe 2 - Probe 3 -TIME OLD CASSETTE REMOVED 0955OLD CASSETTE LABEL: \* C E 01 08 \* B ← write A or B

↑ Station Number (2 digits) ↑ Start Month (2 digits)

IS NEW TAPE IN CORRECTLY?



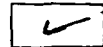
DID YOU WRITE THE CORRECT INFORMATION



ON BOTH TAPE CASSETTES? \*



DID YOU CLOSE THE LATCH?

TIME RECORDER RESET 1000TIME ALL METERS SUBMERGED: Probe 3 -NA- Probe 2 - Probe 1 -

IF YOU HAVE SEEN THE TAPE ADVANCE, PLEASE NOTE TIME AND DATE (spell month):

1000, 17 SEPT. 79

REMARKS (problems with equipment, etc.):

all OK



## CORPS OF ENGINEERS PROJECT DACW07-78-C-0049

SAN PABLO - CHIPPS ISLAND

## DATA LOGGER CHECK SHEET

STATION (spell out) Carquinez \* STATION NUMBER \* 2

CALIFORNIA

CALENDAR DATE: MONTH (spell out) Sept. \* DAY 17 \* YEAR 79 \*CALIFORNIA ARRIVAL TIME 1040DEPARTURE TIME 1105

(leave blank)

RECORDER'S SIGNATURE P. Carpenter

## TASKS ACCOMPLISHED ON THIS STATION VISIT

1) Visual Inspection ☐2) Instrument Check ☒3) Tape Change ☒4) Battery Change ☒5) Damage Repair ☐

6) Other \_\_\_\_\_

## INTERROGATION VALUES

	ZERO	+BATT	-BATT	+ID	V <sub>x</sub>	V <sub>y</sub>	DIR	-ID/DEPTH	C	T	Tr
PROBE 1 (top)	0.003	12.3	12.23	0.2	+0.1	-0.2	185	-0.2	27.29	21.65	0.6
PROBE 2 (mid)				0.1	-0.1	0.05	316	-0.1	28.13	21.54	7.4
PROBE 3 (bottom)				1.0	-0.1	-0.2	220	29.9	29.06	21.58	2.9

INTERROGATION TIME 1055TIME METERS OUT OF WATER: Probe 1 - NA - Probe 2 \_\_\_\_\_ Probe 3 \_\_\_\_\_TIME OLD CASSETTE REMOVED ~~1042~~ 1042OLD CASSETTE LABEL: \* 

C	E	02	08
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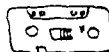
 . 

B
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 ← write A or B

↑ Station Number (2-digits) . ↑ Start Month (2-digits)

IS NEW TAPE IN CORRECTLY?



DID YOU WRITE THE CORRECT INFORMATION

ON BOTH TAPE CASSETTES? \*



DID YOU CLOSE THE LATCH?

TIME RECORDER RESET 1100TIME ALL METERS SUBMERGED: Probe 3 - NA - Probe 2 \_\_\_\_\_ Probe 1 \_\_\_\_\_

IF YOU HAVE SEEN THE TAPE ADVANCE, PLEASE NOTE TIME AND DATE (spell month):

1100 17 Sept 79

REMARKS (problems with equipment, etc.):

all seems OK -  
tank, probe, fouled



## CORPS OF ENGINEERS PROJECT DACW07-78-C-0049

SAN PABLO - CHIPPS ISLAND

DATA LOGGER CHECK SHEET

STATION (spell out) Benicia \* STATION NUMBER \* 3

CALIFORNIA

CALENDAR DATE: MONTH (spell out) Sept \* DAY 17 YEAR 79 \*CALIFORNIA ARRIVAL TIME 1735DEPARTURE TIME ~~1820~~ 1835

(leave blank)

RECORDER'S SIGNATURE J. Carpenter

## TASKS ACCOMPLISHED ON THIS STATION VISIT

1) Visual Inspection ☐3) Tape Change ☒5) Damage Repair ☐2) Instrument Check ☒4) Battery Change ☒

6) Other \_\_\_\_\_

## INTERROGATION VALUES

	ZERO	+BATT	-BATT	+ID	V <sub>x</sub>	V <sub>y</sub>	DIR	-ID/DEPTH	C	T	Tr
PROBE 1 (top)	+0.001	11.94	-12.0	1.5	+0.67	-0.1	226	<del>15</del>	18.8	21.9	20.7
PROBE 2 (mid)				0.5	0.43	+0.44	53	-0.5	19.98	21.8	3.4
PROBE 3 (bottom)				0.4	-0.13	+0.12	71	28.9'	20.79	21.75	0.1

INTERROGATION TIME 1805-1812TIME METERS OUT OF WATER: Probe 1 NA Probe 2 NA Probe 3 NATIME OLD CASSETTE REMOVED 1745OLD CASSETTE LABEL: \* 

C	E	03	08	.	6
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 ← write A or B

↑ Station Number (2 digits) ↑ Start Month (2 digits)

IS NEW TAPE IN CORRECTLY? ☒DID YOU WRITE THE CORRECT INFORMATION ☒ON BOTH TAPE CASSETTES? \* ☒DID YOU CLOSE THE LATCH? ☒TIME RECORDER RESET 1800 1st usable 1830.TIME ALL METERS SUBMERGED: Probe 3 NA Probe 2 NA Probe 1 NA

IF YOU HAVE SEEN THE TAPE ADVANCE, PLEASE NOTE TIME AND DATE (spell month):

REMARKS (problems with equipment, etc.):

1800 17 Sept. 1979

Power interrupt: 1818 - reconnect at 1830  
 reconnect at 1830  
 and reset at 1830  
 all seems OK (1st)  
 Power tape advance noted



## SAN PABLO - CHIPPS ISLAND

## DATA LOGGER CHECK SHEET

STATION (spell out) Port Chicago \* STATION NUMBER \* 4  
 CALIFORNIA  
 CALENDAR DATE: MONTH (spell out) Sept \* DAY 17 \* YEAR 79 \*  
 CALIFORNIA ARRIVAL TIME 1230  
 DEPARTURE TIME \_\_\_\_\_

(leave blank)

RECORDER'S SIGNATURE P. Carpenter

## TASKS ACCOMPLISHED ON THIS STATION VISIT

1) Visual Inspection ☐2) Instrument Check ☒3) Tape Change ☒4) Battery Change ☒5) Damage Repair ☐

6) Other \_\_\_\_\_

## INTERROGATION VALUES

	ZERO	+BATT	-BATT	+ID	V <sub>x</sub>	V <sub>y</sub>	DIR	-ID/DEPTH	C	T	Tr
PROBE 1 (top)	0.0	12.3	12.3								
PROBE 2 (mid)				1.4	-0.2	+0.7	360	-1.4	14.65	21.84	1
PROBE 3 (bottom)				0.9	-0.8	-0.8	180	31.3	13.7	21.04	0.5

INTERROGATION TIME 1340TIME METERS OUT OF WATER: Probe 1 NA Probe 2 NA Probe 3 NATIME OLD CASSETTE REMOVED 1325OLD CASSETTE LABEL: \* 

C E	04	08	B
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 ← write A or B

↑ Station Number (2 digits)    ↑ Start Month (2 digits)

IS NEW TAPE IN CORRECTLY? ☒DID YOU WRITE THE CORRECT INFORMATION ☒ON BOTH TAPE CASSETTES? \* ☒DID YOU CLOSE THE LATCH? ☒TIME RECORDER RESET 1330TIME ALL METERS SUBMERGED: Probe 3 NA Probe 2 NA Probe 1 NA

IF YOU HAVE SEEN THE TAPE ADVANCE, PLEASE NOTE TIME AND DATE (spell month):

1330, 17 Sept 79

REMARKS (problems with equipment, etc.):

replace meter returned from Inter Ocean w mounting tab  
 (#004) missing - couldn't replace



## CORPS OF ENGINEERS PROJECT DACW07-78-C-0049

SAN PABLO - CHIPPS ISLAND

## DATA LOGGER CHECK SHEET

STATION (spell out) Chippis Island \* STATION NUMBER \* 5

CALIFORNIA

CALENDAR DATE: MONTH (spell out) Sept \* DAY 17 \* YEAR 79 \*CALIFORNIA ARRIVAL TIME 1540DEPARTURE TIME 1625

(leave blank)

RECORDER'S SIGNATURE P. Carpenter

## TASKS ACCOMPLISHED ON THIS STATION VISIT

1) Visual Inspection ☐2) Instrument Check ☒3) Tape Change ☒4) Battery Change ☒5) Damage Repair ☐

6) Other \_\_\_\_\_

## INTERROGATION VALUES

	ZERO	+BATT	-BATT	+ID	V <sub>x</sub>	V <sub>y</sub>	DIR	-ID/DEPTH	C	T	Tr
PROBE 1 (top)	0	11.85	11.83	0.8	0.34	0.18	295	0.8	+7.6	22.1	-1.0
PROBE 2 (mid)				0.3	0.28	0.05	291	0.3	+7.87	22.4	-0.2
PROBE 3 (bottom)				1.2	0.15	0.14	235	2.5	8.20	22.0	0.0

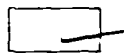
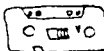
INTERROGATION TIME 1610-1619TIME METERS OUT OF WATER: Probe 1 NA Probe 2 \_\_\_\_\_ Probe 3 \_\_\_\_\_TIME OLD CASSETTE REMOVED 1555 - ~ 1/3 fullOLD CASSETTE LABEL: \* 

C E	05	08	B
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 ← write A or B

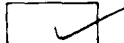
↑ Station Number (2 digits) ↑ Start Month (2 digits)

IS NEW TAPE IN CORRECTLY?

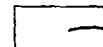


DID YOU WRITE THE CORRECT INFORMATION

ON BOTH TAPE CASSETTES? \*



DID YOU CLOSE THE LATCH?

TIME RECORDER RESET 1600TIME ALL METERS SUBMERGED: Probe 3 NA Probe 2 NA Probe 1 \_\_\_\_\_

IF YOU HAVE SEEN THE TAPE ADVANCE, PLEASE NOTE TIME AND DATE (spell month):

1600 17 Sept 79

REMARKS (problems with equipment, etc.):

little tape taken up on old tape upon arrival - batteries dead  
recorder runs on new batteries



## SAN PABLO - CHIPPS ISLAND

## DATA LOGGER CHECK SHEET

STATION (spell out) Grizzly Bay \* STATION NUMBER \* 6

CALIFORNIA

CALENDAR DATE: MONTH (spell out) Sept. \* DAY 17 \* YEAR 79 \*CALIFORNIA ARRIVAL TIME 1658DEPARTURE TIME 1710

(leave blank)

RECORDER'S SIGNATURE P. Carpenter

## TASKS ACCOMPLISHED ON THIS STATION VISIT

1) Visual Inspection ☒2) Instrument Check ☒3) Tape Change ☒4) Battery Change ☒5) Damage Repair ☐

6) Other \_\_\_\_\_

## INTERROGATION VALUES

	ZERO	+BATT	-BATT	+ID	V <sub>x</sub>	V <sub>y</sub>	DIR	-ID/DEPTH	C	T	Tr
PROBE 1 (top)	0.0	12.37	12.59	1.3	—	—	—	-1.3	8.42	22.3	0.1
PROBE 2 (mid)											
PROBE 3 (bottom)											

INTERROGATION TIME 1705

TIME METERS OUT OF WATER: Probe 1 \_\_\_\_\_ Probe 2 \_\_\_\_\_ Probe 3 \_\_\_\_\_

TIME OLD CASSETTE REMOVED 1658OLD CASSETTE LABEL: \* 

C	E	06	08
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 . 

B
---

 ← write A or B

↑ Station Number    ↑ Start Month  
 (2 digits)            (2 digits)

IS NEW TAPE IN CORRECTLY? ☒

DID YOU WRITE THE CORRECT INFORMATION

ON BOTH TAPE CASSETTES? \* ☒DID YOU CLOSE THE LATCH? ☒TIME RECORDER RESET 1700TIME ALL METERS SUBMERGED: Probe 3 \_\_\_\_\_ Probe 2 NA \_\_\_\_\_ Probe 1 \_\_\_\_\_

IF YOU HAVE SEEN THE TAPE ADVANCE, PLEASE NOTE TIME AND DATE (spell month):

1700 Sept 17 79

REMARKS (problems with equipment, etc.):

OK



## SAN PABLO - CHIPPS ISLAND

## DATA LOGGER CHECK SHEET

STATION (spell out) Grassy, 1997 \* STATION NUMBER \* 5

CALIFORNIA

CALENDAR DATE: MONTH (spell out) October \* DAY 5 \* YEAR 1997 \*

CALIFORNIA ARRIVAL TIME \_\_\_\_\_

DEPARTURE TIME \_\_\_\_\_

(leave blank) last record of data - 1730 230 239

RECORDER'S SIGNATURE per data interrupt sheet

## TASKS ACCOMPLISHED ON THIS STATION VISIT

- |                      |                                     |                     |                           |
|----------------------|-------------------------------------|---------------------|---------------------------|
| 1) Visual Inspection | <input type="checkbox"/>            | 2) Instrument Check | <input type="checkbox"/>  |
| 3) Tape Change       | <input checked="" type="checkbox"/> | 4) Battery Change   | <input type="checkbox"/>  |
| 5) Damage Repair     | <input type="checkbox"/>            | 6) Other            | <u>removed instrument</u> |

## INTERROGATION VALUES

	ZERO	+BATT	-BATT	+ID	V <sub>x</sub>	V <sub>y</sub>	DIR	-ID/DEPTH	C	T	Tr
PROBE 1 (top)											
PROBE 2 (mid)											
PROBE 3 (bottom)											

INTERROGATION TIME \_\_\_\_\_

TIME METERS OUT OF WATER: Probe 1 \_\_\_\_\_ Probe 2 \_\_\_\_\_ Probe 3 \_\_\_\_\_

TIME OLD CASSETTE REMOVED 1030 = 1730OLD CASSETTE LABEL: \* 

C	E	26	31
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 . 

A
---

 ← write A or B

↑ Station Number    ↑ Start Month  
 (2 digits)            (2 digits)

IS NEW TAPE IN CORRECTLY? 

YES
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NO
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 DID YOU WRITE THE CORRECT INFORMATIONON BOTH TAPE CASSETTES? \* 

--

 DID YOU CLOSE THE LATCH? 

--

TIME RECORDER RESET \_\_\_\_\_

TIME ALL METERS SUBMERGED: Probe 3 \_\_\_\_\_ Probe 2 \_\_\_\_\_ Probe 1 \_\_\_\_\_

IF YOU HAVE SEEN THE TAPE ADVANCE, PLEASE NOTE TIME AND DATE (spell month):

REMARKS (problems with equipment, etc.):

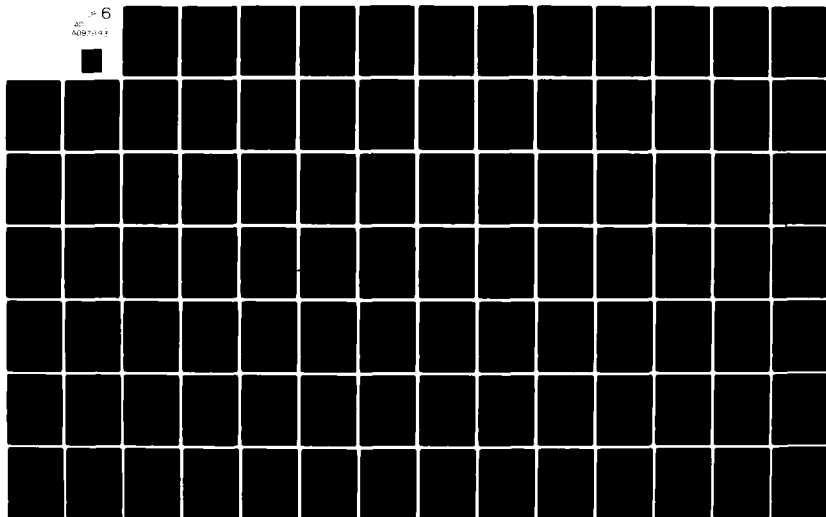


AD-A097 893

KINNETIC LABS INC SANTA CRUZ CA F/6 8/8  
IN-SITU FIELD DATA GATHERING STATIONS, SAN FRANCISCO BAY-DELTA,--ETC(U)  
MAR 81  
UNCLASSIFIED KLI-81-1-APP-12 DACW07-78-C-0049  
NL

6

AD  
A097 893





SAN PABLO - CHIPPS ISLAND

## W/L LOGGER CHECK SHEET

STATION (spell out) Chippis Island \* STATION NUMBER \* 5

CALIFORNIA

CALENDAR DATE: MONTH (spell out) October \* DAY 2 \* YEAR 1979 \*

CALIFORNIA ARRIVAL TIME \_\_\_\_\_

DEPARTURE TIME \_\_\_\_\_

(leave blank) last record received = 2300 295 1979

RECORDER'S SIGNATURE per data interrupt sheet

## TASKS ACCOMPLISHED ON THIS STATION VISIT

1) Visual Inspection ☐2) Instrument Check ☐3) Tape Change ☒4) Battery Change ☐5) Damage Repair ☐6) Other removed instruments

## INTERROGATION VALUES

	ZERO	+BATT	-BATT	+ID	V <sub>x</sub>	V <sub>y</sub>	DIR	-ID/DEPTH	C	T	Tr
PROBE 1 (top)											
PROBE 2 (mid)											
PROBE 3 (bottom)											

INTERROGATION TIME \_\_\_\_\_

TIME METERS OUT OF WATER: Probe 1 \_\_\_\_\_ Probe 2 \_\_\_\_\_ Probe 3 \_\_\_\_\_

TIME OLD CASSETTE REMOVED 1600 = 2300OLD CASSETTE LABEL: \* 

C	E	15	59
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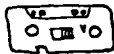
 . 

A
---

 ← write A or B

↑ Station Number (2 digits)    ↑ Start Month (2 digits)

IS NEW TAPE IN CORRECTLY?



DID YOU WRITE THE CORRECT INFORMATION

ON BOTH TAPE CASSETTES? \*



DID YOU CLOSE THE LATCH?



TIME RECORDER RESET \_\_\_\_\_

TIME ALL METERS SUBMERGED: Probe 3 \_\_\_\_\_ Probe 2 \_\_\_\_\_ Probe 1 \_\_\_\_\_

IF YOU HAVE SEEN THE TAPE ADVANCE, PLEASE NOTE TIME AND DATE (spell month):

REMARKS (problems with equipment, etc.):



## CORPS OF ENGINEERS PROJECT DACW07-78-C-0049

SAN PABLO - CHIPPS ISLAND

## DATA LOGGER CHECK SHEET

LOCATION (spell out) Port Chicago \* STATION NUMBER \* 7

CALIFORNIA

CALENDAR DATE: MONTH (spell out) October \* DAY 2 \* YEAR 1979 \*

CALIFORNIA ARRIVAL TIME \_\_\_\_\_

DEPARTURE TIME \_\_\_\_\_

(leave blank) last record on old data = 2130 0000 1979

RECORDER'S SIGNATURE per data logger sheet

## TASKS ACCOMPLISHED ON THIS STATION VISIT

- |                      |                                     |                                     |                          |
|----------------------|-------------------------------------|-------------------------------------|--------------------------|
| 1) Visual Inspection | <input type="checkbox"/>            | 2) Instrument Check                 | <input type="checkbox"/> |
| 3) Tape Change       | <input checked="" type="checkbox"/> | 4) Battery Change                   | <input type="checkbox"/> |
| 5) Damage Repair     | <input type="checkbox"/>            | 6) Other <u>REMOVE INSTRUCTIONS</u> |                          |

## INTERROGATION VALUES

	ZERO	+BATT	-BATT	+ID	V <sub>x</sub>	V <sub>y</sub>	DIR	-ID/DEPTH	C	T	Tr
PROBE 1 (top)											
PROBE 2 (mid)											
PROBE 3 (bottom)											

INTERROGATION TIME \_\_\_\_\_

TIME METERS OUT OF WATER: Probe 1 \_\_\_\_\_ Probe 2 \_\_\_\_\_ Probe 3 \_\_\_\_\_

TIME OLD CASSETTE REMOVED 1430 = 2130OLD CASSETTE LABEL: \* 

C	E	54	00	.	1
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 ← write A or B

↑ Station Number    ↑ Start Month  
 (2 digits)            (2 digits)

S NEW TAPE IN CORRECTLY? ☒ DID YOU WRITE THE CORRECT INFORMATIONON BOTH TAPE CASSETTES? \* ☐ DID YOU CLOSE THE LATCH? ☐

TIME RECORDER RESET \_\_\_\_\_

TIME ALL METERS SUBMERGED: Probe 3 \_\_\_\_\_ Probe 2 \_\_\_\_\_ Probe 1 \_\_\_\_\_

IF YOU HAVE SEEN THE TAPE ADVANCE, PLEASE NOTE TIME AND DATE (spell month):

REMARKS (problems with equipment, etc.):



## CORPS OF ENGINEERS PROJECT DACW07-78-C-0049

SAN PABLO - CHIPPS ISLAND

## DATA LOGGER CHECK SHEET

STATION (spell out) Benicia \* STATION NUMBER \* 3

CALIFORNIA

CALENDAR DATE: MONTH (spell out) October \* DAY 3 \* YEAR 1979 \*

CALIFORNIA ARRIVAL TIME \_\_\_\_\_

DEPARTURE TIME \_\_\_\_\_

(leave blank) last record received A = 1900 276 1979

RECORDER'S SIGNATURE per data interrupt sheet

## TASKS ACCOMPLISHED ON THIS STATION VISIT

1) Visual Inspection ☐2) Instrument Check ☐3) Tape Change ☒4) Battery Change ☐5) Damage Repair ☐6) Other removed instruments

## INTERROGATION VALUES

	ZERO	+BATT	-BATT	+ID	V <sub>x</sub>	V <sub>y</sub>	DIR	-ID/DEPTH	C	T	Tr
PROBE 1 (top)											
PROBE 2 (mid)											
PROBE 3 (bottom)											

INTERROGATION TIME \_\_\_\_\_

TIME METERS OUT OF WATER: Probe 1 \_\_\_\_\_ Probe 2 \_\_\_\_\_ Probe 3 \_\_\_\_\_

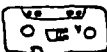
TIME OLD CASSETTE REMOVED 200 = 1900OLD CASSETTE LABEL: \* 

C	E	03	09	A
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 ← write A or B

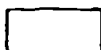
↑ Station Number (2 digits)    ↑ Start Month (2 digits)

IS NEW TAPE IN CORRECTLY?

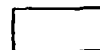


DID YOU WRITE THE CORRECT INFORMATION

ON BOTH TAPE CASSETTES? \*



DID YOU CLOSE THE LATCH?



TIME RECORDER RESET \_\_\_\_\_

TIME ALL METERS SUBMERGED: Probe 3 \_\_\_\_\_ Probe 2 \_\_\_\_\_ Probe 1 \_\_\_\_\_

IF YOU HAVE SEEN THE TAPE ADVANCE, PLEASE NOTE TIME AND DATE (spell month):

REMARKS (problems with equipment, etc.):



## CORPS OF ENGINEERS PROJECT DACW07-78-C-0049

SAN PABLO - CHIPPS ISLAND

DATA LOGGER CHECK SHEET

STATION (spell out) Carpinez \* STATION NUMBER \* 2

CALIFORNIA

CALENDAR DATE: MONTH (spell out) October \* DAY 2 \* YEAR 1979 \*

CALIFORNIA ARRIVAL TIME \_\_\_\_\_

DEPARTURE TIME \_\_\_\_\_

(leave blank) last record recorded: 1930 275 1979RECORDER'S SIGNATURE per data interrupt sheet

## TASKS ACCOMPLISHED ON THIS STATION VISIT

- |                      |                                     |                                     |                          |
|----------------------|-------------------------------------|-------------------------------------|--------------------------|
| 1) Visual Inspection | <input type="checkbox"/>            | 2) Instrument Check                 | <input type="checkbox"/> |
| 3) Tape Change       | <input checked="" type="checkbox"/> | 4) Battery Change                   | <input type="checkbox"/> |
| 5) Damage Repair     | <input type="checkbox"/>            | 6) Other <u>removed instruments</u> |                          |

## INTERROGATION VALUES

	ZERO	+BATT	-BATT	+ID	V <sub>x</sub>	V <sub>y</sub>	DIR	-ID/DEPTH	C	T	Tr
PROBE 1 (top)											
PROBE 2 (mid)											
PROBE 3 (bottom)											

INTERROGATION TIME \_\_\_\_\_

TIME METERS OUT OF WATER: Probe 1 \_\_\_\_\_ Probe 2 \_\_\_\_\_ Probe 3 \_\_\_\_\_

TIME OLD CASSETTE REMOVED 12:30 = 1930OLD CASSETTE LABEL: \* 

C	E
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02
----

09
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 . 

A
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 ← write A or B

↑ Station Number    ↑ Start Month  
 (2 digits)            (2 digits)

IS NEW TAPE IN CORRECTLY? ☒ DID YOU WRITE THE CORRECT INFORMATIONON BOTH TAPE CASSETTES? \* ☐ DID YOU CLOSE THE LATCH? ☐

TIME RECORDER RESET \_\_\_\_\_

TIME ALL METERS SUBMERGED: Probe 3 \_\_\_\_\_ Probe 2 \_\_\_\_\_ Probe 1 \_\_\_\_\_

IF YOU HAVE SEEN THE TAPE ADVANCE, PLEASE NOTE TIME AND DATE (spell month):

REMARKS (problems with equipment, etc.):



## CORPS OF ENGINEERS PROJECT DACW07-78-C-0049

SAN PABLO - CHIPPS ISLAND

## DATA LOGGER CHECK SHEET

ATION (spell out) San Pablo\* STATION NUMBER \* 1

CALIFORNIA

CALENDAR DATE: MONTH (spell out) Oct. 2 \* DAY 2 \* YEAR 79 \*

CALIFORNIA ARRIVAL TIME \_\_\_\_\_

DEPARTURE TIME \_\_\_\_\_

(leave blank)

lost record on 10/2/79: 1730 095 1749  
record on 10/2/79RECORDER'S SIGNATURE per data interrupt sheet

## TASKS ACCOMPLISHED ON THIS STATION VISIT

1) Visual Inspection ☐2) Instrument Check ☐3) Tape Change ☒4) Battery Change ☐5) Damage Repair ☐6) Other none

## INTERROGATION VALUES

	ZERO	+BATT	-BATT	+ID	V <sub>x</sub>	V <sub>y</sub>	DIR	-ID/DEPTH	C	T	Tr
PROBE 1 (top)											
PROBE 2 (mid)											
PROBE 3 (bottom)											

INTERROGATION TIME \_\_\_\_\_

TIME METERS OUT OF WATER: Probe 1 \_\_\_\_\_ Probe 2 \_\_\_\_\_ Probe 3 \_\_\_\_\_

TIME OLD CASSETTE REMOVED 10:30 = 1730

OLD CASSETTE LABEL: \*

C E

01

01

01

01

01

01

01

01

01

01

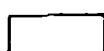
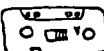
01

01

↑ Station Number  
(2 digits)↑ Start Month  
(2 digits)

← write A or B

IS NEW TAPE IN CORRECTLY?



DID YOU WRITE THE CORRECT INFORMATION

ON BOTH TAPE CASSETTES? \*



DID YOU CLOSE THE LATCH?



TIME RECORDER RESET \_\_\_\_\_

TIME ALL METERS SUBMERGED: Probe 3 \_\_\_\_\_ Probe 2 \_\_\_\_\_ Probe 1 \_\_\_\_\_

IF YOU HAVE SEEN THE TAPE ADVANCE, PLEASE NOTE TIME AND DATE (spell month):

REMARKS (problems with equipment, etc.):



SAN PABLO - CHIPS ISLAND

DATA LOGGER CHECK SHEET

TATION (spell out) San Pablo \* STATION NUMBER \* 1

CALIFORNIA

CALENDER DATE: MONTH (spell out) November \* DAY 2 \* YEAR 1979 \*CALIFORNIA ARRIVAL TIME 1730DEPARTURE TIME 1835

(leave blank)

RECORDER'S SIGNATURE Pacer Jops

## TASKS ACCOMPLISHED ON THIS STATION VISIT

- |                      |                          |                     |                          |
|----------------------|--------------------------|---------------------|--------------------------|
| 1) Visual Inspection | <input type="checkbox"/> | 2) Instrument Check | <input type="checkbox"/> |
| 3) Tape Change       | <input type="checkbox"/> | 4) Battery Change   | <input type="checkbox"/> |
| 5) Damage Repair     | <input type="checkbox"/> | 6) Other            | <u>INSTALL THE WORKS</u> |

## INTERROGATION VALUES

	ZERO	+BATT	-BATT	+ID	V <sub>x</sub>	V <sub>y</sub>	DIR	-ID/DEPTH	C	T	Tr
PROBE 1 (top)		+12.0	-9.5	0.6	-25	+1.4	140		29.2	16.5	71.0
PROBE 2 (mid)				1.7	-2	+1.2	155		29.5	16.5	17.0
PROBE 3 (bottom)				1.1	-8.1	-3	35	30.6	29.3	16.6	64.2

INTERROGATION TIME 1750

TIME METERS OUT OF WATER: Probe 1 \_\_\_\_\_ Probe 2 \_\_\_\_\_ Probe 3 \_\_\_\_\_

TIME OLD CASSETTE REMOVED \_\_\_\_\_

OLD CASSETTE LABEL: \* 

C	E		
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 . 

--

 ← write A or B

↑ Station Number (2 digits)    ↑ Start Month (2 digits)

IS NEW TAPE IN CORRECTLY? ☒ DID YOU WRITE THE CORRECT INFORMATIONON BOTH TAPE CASSETTES? \* ☐ DID YOU CLOSE THE LATCH? ☒TIME RECORDER RESET 1900

TIME ALL METERS SUBMERGED: Probe 3 \_\_\_\_\_ Probe 2 \_\_\_\_\_ Probe 1 \_\_\_\_\_

IF YOU HAVE SEEN THE TAPE ADVANCE, PLEASE NOTE TIME AND DATE (spell month):

1900 2 Nov 79

REMARKS (problems with equipment, etc.):

PBT time set

1725	Σ MC	0.68
	Σ RC	0.68



## CORPS OF ENGINEERS PROJECT DACW07-78-C-0049

SAN PABLO - CHIPS ISLAND

DATA LOGGER CHECK SHEET

STATION (spell out) Carquinez Straights \* STATION NUMBER \* 2

CALIFORNIA

CALENDAR DATE: MONTH (spell out) November \* DAY 2 \* YEAR 1979 \*CALIFORNIA ARRIVAL TIME 1610DEPARTURE TIME 1705

(leave blank)

RECORDER'S SIGNATURE Peter W. L. W.

## TASKS ACCOMPLISHED ON THIS STATION VISIT

1) Visual Inspection ☐3) Tape Change ☐5) Damage Repair ☐2) Instrument Check ☐4) Battery Change ☐6) Other METER INSTALL

## INTERROGATION VALUES

	ZERO	+BATT	-BATT	+ID	V <sub>x</sub>	V <sub>y</sub>	DIR	-ID/DEPTH	C	T	Tr
PROBE 1 (top)	0	11.5	11.75	.2	-0.3	+1.8	181	.2	27.18	16.4	50
PROBE 2 (mid)				.1	-0.9	+2.6	288	.1	27.33	16.60	40
PROBE 3 (bottom)				1.0	+0.2	-0.2	348	25.2	27.4	16.22	38

INTERROGATION TIME 1625

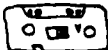
TIME METERS OUT OF WATER: Probe 1 \_\_\_\_\_ Probe 2 \_\_\_\_\_ Probe 3 \_\_\_\_\_

TIME OLD CASSETTE REMOVED \_\_\_\_\_

OLD CASSETTE LABEL: \* ☐ C ☐ E ☐ ☐ ☐ ☐ ☐ ← write A or B

↑ Station Number (2 digits) ↑ Start Month (2 digits)

IS NEW TAPE IN CORRECTLY?

Yes

DID YOU WRITE THE CORRECT INFORMATION

ON BOTH TAPE CASSETTES? \*

No

DID YOU CLOSE THE LATCH?

YesTIME RECORDER RESET 1700

TIME ALL METERS SUBMERGED: Probe 3 \_\_\_\_\_ Probe 2 \_\_\_\_\_ Probe 1 \_\_\_\_\_

IF YOU HAVE SEEN THE TAPE ADVANCE, PLEASE NOTE TIME AND DATE (spell month):

1700 November 2, 1979

REMARKS (problems with equipment, etc.):

PRT	MC	T set
1030		0
1030	RC	0



## CORPS OF ENGINEERS PROJECT DACW07-78-C-0049

SAN PABLO - CHIPS ISLAND

DATA LOGGER CHECK SHEET

STATION (spell out) Benicia \* STATION NUMBER \* 3

CALIFORNIA

CALENDAR DATE: MONTH (spell out) November \* DAY 2 \* YEAR 1979 \*CALIFORNIA ARRIVAL TIME 1205DEPARTURE TIME 1305

(leave blank)

RECORDER'S SIGNATURE Peter M. Widen

## TASKS ACCOMPLISHED ON THIS STATION VISIT

- 1) Visual Inspection ☐
- 3) Tape Change ☐
- 5) Damage Repair ☐

- 2) Instrument Check ☐
- 4) Battery Change ☐
- 6) Other METER INSTALL

## INTERROGATION VALUES

	ZERO	+BATT	-BATT	+ID	V <sub>x</sub>	V <sub>y</sub>	DIR	-ID/DEPTH	C	T	Tr
PROBE 1 (top)				1.5	-3.4	2.8	270	-1.49	+24.6	16.4	4.8
PROBE 2 (mid)				.5	-2.4	2.70	270	-5.	+6.9	16.4	4.8
PROBE 3 (bottom)	0	+12.18	-12.2	0.5	+1.7	-0.9	91	+32.8	-0.3	16.3	4.5

INTERROGATION TIME 1225

TIME METERS OUT OF WATER: Probe 1 \_\_\_\_\_ Probe 2 \_\_\_\_\_ Probe 3 \_\_\_\_\_

TIME OLD CASSETTE REMOVED \_\_\_\_\_

OLD CASSETTE LABEL: \* 

C	E		
---	---	--	--

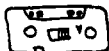
 . 

--

 ← write A or B

↑ Station Number (2 digits)    ↑ Start Month (2 digits)

IS NEW TAPE IN CORRECTLY?



DID YOU WRITE THE CORRECT INFORMATION

ON BOTH TAPE CASSETTES? \*



DID YOU CLOSE THE LATCH?

TIME RECORDER RESET 1300

TIME ALL METERS SUBMERGED: Probe 3 \_\_\_\_\_ Probe 2 \_\_\_\_\_ Probe 1 \_\_\_\_\_

IF YOU HAVE SEEN THE TAPE ADVANCE, PLEASE NOTE TIME AND DATE (spell month):

1300 2 Nov 79 PW

REMARKS (problems with equipment, etc.):

PRT	MC	T Set
1030	RC	0
1027		1



SAN PABLO - CHIPS ISLAND

## DATA LOGGER CHECK SHEET

STATION (spell out) Port Chicago \* STATION NUMBER \* 4

CALIFORNIA

CALENDAR DATE: MONTH (spell out) November \* DAY 2 \* YEAR 1979CALIFORNIA ARRIVAL TIME 1330DEPARTURE TIME 1535

(leave blank)

RECORDER'S SIGNATURE Pace

## TASKS ACCOMPLISHED ON THIS STATION VISIT

1) Visual Inspection ☐3) Tape Change ☐5) Damage Repair ☐2) Instrument Check ☐4) Battery Change ☐6) Other METER INSTAL

## INTERROGATION VALUES

	ZERO	+BATT	-BATT	+ID	V <sub>x</sub>	V <sub>y</sub>	DIR	-ID/DEPTH	C	T	Tr
PROBE 1 (top)	0	+12.52	-12.62	+0.3	-7.6	+1.8	95	+0.9	15.35	15.24	20
PROBE 2 (mid)				1.39	-18.8		9	-13.8	16.3	16.7	39.2
PROBE 3 (bottom)				11.8	-37.05		9	29.1	16.5	16.3	36.8

INTERROGATION TIME 1510

TIME METERS OUT OF WATER: Probe 1 \_\_\_\_\_ Probe 2 \_\_\_\_\_ Probe 3 \_\_\_\_\_

TIME OLD CASSETTE REMOVED \_\_\_\_\_

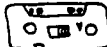
OLD CASSETTE LABEL: \*

C E

← write A or B

↑ Station Number    ↑ Start Month  
(2 digits)            (2 digits)

IS NEW TAPE IN CORRECTLY?



DID YOU WRITE THE CORRECT INFORMATION

ON BOTH TAPE CASSETTES? \*



DID YOU CLOSE THE LATCH?

TIME RECORDER RESET 1530

TIME ALL METERS SUBMERGED: Probe 3 \_\_\_\_\_ Probe 2 \_\_\_\_\_ Probe 1 \_\_\_\_\_

IF YOU HAVE SEEN THE TAPE ADVANCE, PLEASE NOTE TIME AND DATE (spell month):

1530 - 2 Nov 79

REMARKS (problems with equipment, etc.):

PIT	MC	T SET
1030	RC	0
1030	RC	0



SAN PABLO - CHIPPS ISLAND

## DATA LOGGER CHECK SHEET

STATION (spell out) CHippis Island \* STATION NUMBER \* 5  
 CALIFORNIA  
 CALENDAR DATE: MONTH (spell out) November \* DAY 2 \* YEAR 1979 \*  
 CALIFORNIA ARRIVAL TIME 1005  
 DEPARTURE TIME 1037

(leave blank)

RECORDER'S SIGNATURE Peter m Widd

## TASKS ACCOMPLISHED ON THIS STATION VISIT

1) Visual Inspection ☐2) Instrument Check ☐3) Tape Change ☐4) Battery Change ☐5) Damage Repair ☐6) Other PETER INSTAL.

## INTERROGATION VALUES

	ZERO	+BATT	-BATT	+ID	V <sub>x</sub>	V <sub>y</sub>	DIR	-ID/DEPTH	C	T	Tr
PROBE 1 (top)		12.57	-12.38	1.80	-1.28	1.55	150	1.79	4.62	16.8	4.3
PROBE 2 (mid)				.81	-0.68	1.74	360	8.05	4.68	16.3	5.8
PROBE 3 (bottom)	0			1.2	1.35	0.82	90	/12.9	5.0	16.1	6.8

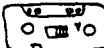
INTERROGATION TIME 1025

TIME METERS OUT OF WATER: Probe 1 \_\_\_\_\_ Probe 2 \_\_\_\_\_ Probe 3 \_\_\_\_\_

TIME OLD CASSETTE REMOVED NAOLD CASSETTE LABEL: \* C E ☐ ☐ ☐ ← write A or B

↑ Station Number (2 digits)    ↑ Start Month (2 digits)

IS NEW TAPE IN CORRECTLY?

Yes

DID YOU WRITE THE CORRECT INFORMATION

ON BOTH TAPE CASSETTES? \*

NA

DID YOU CLOSE THE LATCH?

YesTIME RECORDER RESET 1030

TIME ALL METERS SUBMERGED: Probe 3 \_\_\_\_\_ Probe 2 \_\_\_\_\_ Probe 1 \_\_\_\_\_

IF YOU HAVE SEEN THE TAPE ADVANCE, PLEASE NOTE TIME AND DATE (spell month):

1030 November 2 1979

REMARKS (problems with equipment, etc.):

PRT	T Set
1030 RC	0
1030 RC	0



## CORPS OF ENGINEERS PROJECT DACW07-78-C-0049

SAN PABLO - CHIPPS ISLAND

DATA LOGGER CHECK SHEET

STATION (spell out) Grizzly Bay \* STATION NUMBER \* 6

CALIFORNIA

CALENDAR DATE: MONTH (spell out) November \* DAY 2 \* YEAR 1979 \*CALIFORNIA ARRIVAL TIME 1110DEPARTURE TIME 1135(leave blank)  
why?RECORDER'S SIGNATURE Peter M. Wilde

## TASKS ACCOMPLISHED ON THIS STATION VISIT

1) Visual Inspection ☐2) Instrument Check ☐3) Tape Change ☐4) Battery Change ☐5) Damage Repair ☐6) Other Meter Test.

## INTERROGATION VALUES

	ZERO	+BATT	-BATT	+ID	V <sub>x</sub>	V <sub>y</sub>	DIR	-ID/DEPTH	C	T	Tr
PROBE 1 (top)	0	11.56	11.77								
PROBE 2 (mid)											
PROBE 3 (bottom)											

INTERROGATION TIME 1121

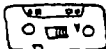
TIME METERS OUT OF WATER: Probe 1 \_\_\_\_\_ Probe 2 \_\_\_\_\_ Probe 3 \_\_\_\_\_

TIME OLD CASSETTE REMOVED \_\_\_\_\_

OLD CASSETTE LABEL: \* C E   .  ← write A or B

↑ Station Number (2 digits)    ↑ Start Month (2 digits)

IS NEW TAPE IN CORRECTLY?



DID YOU WRITE THE CORRECT INFORMATION

ON BOTH TAPE CASSETTES? \*



DID YOU CLOSE THE LATCH?



TIME RECORDER RESET \_\_\_\_\_

TIME ALL METERS SUBMERGED: Probe 3 \_\_\_\_\_ Probe 2 \_\_\_\_\_ Probe 1 \_\_\_\_\_

IF YOU HAVE SEEN THE TAPE ADVANCE, PLEASE NOTE TIME AND DATE (spell month):

REMARKS (problems with equipment, etc.):

PRT  
 1030 RC 0  
 1035 RC 0

+ID voltage not constant  
 Meter giving unbelievable values -  
 Will try to return to ship  
 for repair



## CORPS OF ENGINEERS PROJECT DACW07-78-C-0049

SAN PABLO - CHIPS ISLAND

## DATA LOGGER CHECK SHEET

STATION (spell out) Grisley Bay \* STATION NUMBER \* 6

CALIFORNIA

CALENDAR DATE: MONTH (spell out) November \* DAY 6 \* YEAR 1979 \*CALIFORNIA ARRIVAL TIME 1130DEPARTURE TIME 1240

(leave blank)

RECORDER'S SIGNATURE ME

## TASKS ACCOMPLISHED ON THIS STATION VISIT

- |                      |                          |                     |                                     |
|----------------------|--------------------------|---------------------|-------------------------------------|
| 1) Visual Inspection | <input type="checkbox"/> | 2) Instrument Check | <input type="checkbox"/>            |
| 3) Tape Change       | <input type="checkbox"/> | 4) Battery Change   | <input checked="" type="checkbox"/> |
| 5) Damage Repair     | <input type="checkbox"/> | 6) Other            | <u>                    </u>         |

## INTERROGATION VALUES

	ZERO	+BATT	-BATT	+ID	V <sub>x</sub>	V <sub>y</sub>	DIR	-ID/DEPTH	C	T	Tr
PROBE 1 (top)	0	+12.9	-12.4	1.3	-	-	-	-	10.7	15.9	20.9
PROBE 2 (mid)											
PROBE 3 (bottom)											

INTERROGATION TIME 1220TIME METERS OUT OF WATER: Probe 1                      Probe 2                      Probe 3                     TIME OLD CASSETTE REMOVED                     OLD CASSETTE LABEL: \* 

C	E		
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 . 

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 ← write A or B

↑ Station Number    ↑ Start Month  
 (2 digits)            (2 digits)

IS NEW TAPE IN CORRECTLY? 

YES	NO
<input checked="" type="checkbox"/>	<input type="checkbox"/>

 DID YOU WRITE THE CORRECT INFORMATIONON BOTH TAPE CASSETTES? \* 

--

 DID YOU CLOSE THE LATCH? 

<input checked="" type="checkbox"/>
-------------------------------------

TIME RECORDER RESET 1230TIME ALL METERS SUBMERGED: Probe 3                      Probe 2                      Probe 1                     

IF YOU HAVE SEEN THE TAPE ADVANCE, PLEASE NOTE TIME AND DATE (spell month):

1230 6 Nov '79

REMARKS (problems with equipment, etc.):

clock values  
 9.79  
 9.80

PRT 1220 5 MC  
           2 RC



SAN PABLO - CHIPS ISLAND

DATA LOGGER CHECK SHEET

STATION (spell out) SAN PABLO \* STATION NUMBER \* 1

CALIFORNIA

CALENDAR DATE: MONTH (spell out) Nov \* DAY 27 \* YEAR 79 \*

CALIFORNIA ARRIVAL TIME 1635

DEPARTURE TIME 1705

(leave blank)

RECORDER'S SIGNATURE R. S. Green

TASKS ACCOMPLISHED ON THIS STATION VISIT

- 1) Visual Inspection ☐
- 3) Tape Change ☒
- 5) Damage Repair ☐

- 2) Instrument Check ☐
- 4) Battery Change ☒
- 6) Other ☐

New B's { +12.3  
-12.5

INTERROGATION VALUES

	ZERO	+BATT	-BATT	+ID	V <sub>x</sub>	V <sub>y</sub>	DIR	-ID/DEPTH	C	T	Tr
PROBE 1 (top)		11.4	12.0	0.6	0.4	0.1	68	0.6	26.1	12.9	328
OBE 2 (mid)				1.2	0.4	0.1	70	1.2	21.7	10.1	1.5
PROBE 3 (bottom)				1.1	0.1	0.9	370	35.3	29.7	13.2	71.5

INTERROGATION TIME 1645 M.C. 6068 EC-5984 AT 1700 PHT

TIME METERS OUT OF WATER: Probe 1            Probe 2            Probe 3           

TIME OLD CASSETTE REMOVED 1650

OLD CASSETTE LABEL: \* C E 01 11 \* A ← write A or B

↑ Station Number (2 digits) ↑ Start Month (2 digits)

IS NEW TAPE IN CORRECTLY? ☒ DID YOU WRITE THE CORRECT INFORMATION ☒

ON BOTH TAPE CASSETTES? \* ☒ DID YOU CLOSE THE LATCH? ☒

TIME RECORDER RESET 1700

TIME ALL METERS SUBMERGED: Probe 3            Probe 2            Probe 1           

IF YOU HAVE SEEN THE TAPE ADVANCE, PLEASE NOTE TIME AND DATE (spell month):

1700 5 PHT 27 Nov 79

WORKS (problems with equipment, etc.):

22Amm  
TR OF #32 Look BFO  
From water to BT



SAN PABLO - CHIPS ISLAND

## DATA LOGGER CHECK SHEET

STATION (spell out) CARQUINEZ \* STATION NUMBER \* 2

CALIFORNIA

CALENDAR DATE: MONTH (spell out) NOV \* DAY 27 \* YEAR 77 \*CALIFORNIA ARRIVAL TIME 1525DEPARTURE TIME 1603

(leave blank)

RECORDER'S SIGNATURE R. S. Linn

## TASKS ACCOMPLISHED ON THIS STATION VISIT

- |                      |                                     |                     |                                     |
|----------------------|-------------------------------------|---------------------|-------------------------------------|
| 1) Visual Inspection | <input type="checkbox"/>            | 2) Instrument Check | <input type="checkbox"/>            |
| 3) Tape Change       | <input checked="" type="checkbox"/> | 4) Battery Change   | <input checked="" type="checkbox"/> |
| 5) Damage Repair     | <input type="checkbox"/>            | 6) Other            | _____                               |

## INTERROGATION VALUES

	ZERO	+BATT	-BATT	+ID	V <sub>x</sub>	V <sub>y</sub>	DIR	-ID/DEPTH	C	T	Tr
PROBE 1 (top)		12.2	12.4	0.2	0.2	0.9	194	0.2	14.9	12.9	36.5
PROBE 2 (mid)				0.1	1.7	2.3	30	0.1	14.9	13.1	32.5
PROBE 3 (bottom)				1.0	0.1	0.0	346	27.2	15.3	12.7	38

INTERROGATION TIME 1552 M.C. 6059 R.C. = 6064 AT 1600 PMT

TIME METERS OUT OF WATER: Probe 1 \_\_\_\_\_ Probe 2 \_\_\_\_\_ Probe 3 \_\_\_\_\_

TIME OLD CASSETTE REMOVED 1550

OLD CASSETTE LABEL: \* 

C	E	02	11
---	---	----	----

 \* 

A
---

 ← write A or B

↑ Station Number (2 digits)    ↑ Start Month (2 digits)

IS NEW TAPE IN CORRECTLY? ☒ DID YOU WRITE THE CORRECT INFORMATIONON BOTH TAPE CASSETTES? \* ☒ DID YOU CLOSE THE LATCH? ☒TIME RECORDER RESET 1600

TIME ALL METERS SUBMERGED: Probe 3 \_\_\_\_\_ Probe 2 \_\_\_\_\_ Probe 1 \_\_\_\_\_

IF YOU HAVE SEEN THE TAPE ADVANCE, PLEASE NOTE TIME AND DATE (spell month):

1600 27 Nov 77

REMARKS (problems with equipment, etc.):

WATER in bottom of Box  
Needs hole drilled.



SAN PABLO - CHIPS ISLAND

## DATA LOGGER CHECK SHEET

STATION (spell out) BENICIA \* STATION NUMBER \* 3

CALIFORNIA

CALENDAR DATE: MONTH (spell out) Nov \* DAY 27 \* YEAR 79 \*CALIFORNIA ARRIVAL TIME 1430DEPARTURE TIME 1504

(leave blank)

RECORDER'S SIGNATURE R. E. [unclear]

## TASKS ACCOMPLISHED ON THIS STATION VISIT

1) Visual Inspection ☐2) Instrument Check ☐3) Tape Change ☒4) Battery Change ☒5) Damage Repair ☐

6) Other \_\_\_\_\_

+ 12.2

New Batteries: - 12.1

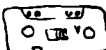
## INTERROGATION VALUES

	ZERO	+BATT	-BATT	+ID	V <sub>x</sub>	V <sub>y</sub>	DIR	-ID/DEPTH	C	T	Tr
PROBE 1 (top)		12.3	11.6	1.5	1.5	0.6	190	1.5	11	13	26
PROBE 2 (mid)				0.5	1.0	0.4	193	0.5	2	13	22
PROBE 3 (bottom)				0.3	0.4	0.1	40	29.3	14.3	12.7	13

INTERROGATION TIME 1434 MC=6047 RC=6064 AT=1500HTIME METERS OUT OF WATER: Probe 1 — Probe 2 — Probe 3 —TIME OLD CASSETTE REMOVED 1434OLD CASSETTE LABEL: \* C E 03 11 . A ← — write A or B

↑ Station Number (2 digits) ↑ Start Month (2 digits)

IS NEW TAPE IN CORRECTLY?



DID YOU WRITE THE CORRECT INFORMATION



ON BOTH TAPE CASSETTES? \*



DID YOU CLOSE THE LATCH?

TIME RECORDER RESET 1500TIME ALL METERS SUBMERGED: Probe 3 — Probe 2 — Probe 1 —

IF YOU HAVE SEEN THE TAPE ADVANCE, PLEASE NOTE TIME AND DATE (spell month):

1500 = Pace 27 Nov 79

EMARKS (problems with equipment, etc.):



## SAN PABLO - CHIPS ISLAND

## DATA LOGGER CHECK SHEET

STATION (spell out) PORT CHILAGO \* STATION NUMBER \* 4

CALIFORNIA

CALENDAR DATE: MONTH (spell out) NOV. \* DAY 28 \* YEAR 79 \*CALIFORNIA ARRIVAL TIME 0940DEPARTURE TIME 1545

(leave blank)

RECORDER'S SIGNATURE \_\_\_\_\_

## TASKS ACCOMPLISHED ON THIS STATION VISIT

- |                      |                                     |                     |                                     |
|----------------------|-------------------------------------|---------------------|-------------------------------------|
| 1) Visual Inspection | <input type="checkbox"/>            | 2) Instrument Check | <input type="checkbox"/>            |
| 3) Tape Change       | <input checked="" type="checkbox"/> | 4) Battery Change   | <input checked="" type="checkbox"/> |
| 5) Damage Repair     | <input checked="" type="checkbox"/> | 6) Other            | <u>Exchange meter parts</u>         |

## INTERROGATION VALUES

	ZERO	+BATT	-BATT	+ID	V <sub>x</sub>	V <sub>y</sub>	DIR	-ID/DEPTH	C	T	Tr
PROBE 1 (top)		11.9	11.9	.3	42	.3	70°	.3	3.7	11.1	4
PROBE 2 (mid)				1.4	.9	-1.6	38°	1.4	4.8	12.7	3.5
PROBE 3 (bottom)				.9	.9	-1.6	63°	28.4	5	11.9	2.4

INTERROGATION TIME ML = 6302 RL = 6299

TIME METERS OUT OF WATER: Probe 1 \_\_\_\_\_ Probe 2 \_\_\_\_\_ Probe 3 \_\_\_\_\_

TIME OLD CASSETTE REMOVED 1515OLD CASSETTE LABEL: \* 

C	E	04	11
---	---	----	----

 . 

A
---

 ← write A or B

↑ Station Number    ↑ Start Month  
 (2 digits)            (2 digits)

IS NEW TAPE IN CORRECTLY? ☒ DID YOU WRITE THE CORRECT INFORMATIONON BOTH TAPE CASSETTES? \* ☒ DID YOU CLOSE THE LATCH? ☒TIME RECORDER RESET 1530

TIME ALL METERS SUBMERGED: Probe 3 \_\_\_\_\_ Probe 2 \_\_\_\_\_ Probe 1 \_\_\_\_\_

IF YOU HAVE SEEN THE TAPE ADVANCE, PLEASE NOTE TIME AND DATE (spell month):

1530 S. Pace 28 Nov 79

R/S (problems with equipment, etc.):

PROBE #3 LOGIC ON TURBIDITYBM-2361318 on totalBAD READING



## SAN PABLO - CHIPS ISLAND

## DATA LOGGER CHECK SHEET

STATION (spell out) CHIPS ISLAND \* STATION NUMBER \* 5

CALIFORNIA

CALENDAR DATE: MONTH (spell out) NOV. \* DAY 27 \* YEAR '79 \*CALIFORNIA ARRIVAL TIME 0950DEPARTURE TIME 1238

(leave blank)

RECORDER'S SIGNATURE R. E. Green

## TASKS ACCOMPLISHED ON THIS STATION VISIT

- |                      |                                     |                     |                                     |
|----------------------|-------------------------------------|---------------------|-------------------------------------|
| 1) Visual Inspection | <input checked="" type="checkbox"/> | 2) Instrument Check | <input type="checkbox"/>            |
| 3) Tape Change       | <input checked="" type="checkbox"/> | 4) Battery Change   | <input checked="" type="checkbox"/> |
| 5) Damage Repair     | <input type="checkbox"/>            | 6) Other            | <u>                    </u>         |

## INTERROGATION VALUES

	ZERO	+BATT	-BATT	+ID	V <sub>x</sub>	V <sub>y</sub>	DIR	-ID/DEPTH	C	T	Tr
PROBE 1 (top)	0	11.4	11.2	1.8	5.5	6.4	173	1.9	3.1	12.9	2.3
PROBE 2 (mid)				0.9	6.4	6.7	43	0.9	3.9	12.6	5.2
PROBE 3 (bottom)				1.2	6.6	6.3	2	22.1	2.7	2.5	2.7

INTERROGATION TIME 1220 M.C. = 6025 R.C. 6020 AT 1230TIME METERS OUT OF WATER: Probe 1                      Probe 2                      Probe 3                     TIME OLD CASSETTE REMOVED 1020OLD CASSETTE LABEL: \* C E 05 11 . A ← write A or B

↑ Station Number    ↑ Start Month  
(2 digits)            (2 digits)

IS NEW TAPE IN CORRECTLY? ☒ DID YOU WRITE THE CORRECT INFORMATION ☒ON BOTH TAPE CASSETTES? \* ☒ DID YOU CLOSE THE LATCH? ☒TIME RECORDER RESET 1230TIME ALL METERS SUBMERGED: Probe 3                      Probe 2                      Probe 1                     

IF YOU HAVE SEEN THE TAPE ADVANCE, PLEASE NOTE TIME AND DATE (spell month):

REMARKS (problems with equipment, etc.):

241 cm to WATER LINE FROM BM



## SAN PABLO - CHIPS ISLAND

## DATA LOGGER CHECK SHEET

STATION (spell out) GRIZZLEY Bay \* STATION NUMBER \* 6

CALIFORNIA

CALENDAR DATE: MONTH (spell out) Nov. \* DAY 28 \* YEAR 79 \*CALIFORNIA ARRIVAL TIME 1615DEPARTURE TIME 1705

(leave blank)

RECORDER'S SIGNATURE R. S. Green

## TASKS ACCOMPLISHED ON THIS STATION VISIT

- |                      |                                     |                                    |                                     |
|----------------------|-------------------------------------|------------------------------------|-------------------------------------|
| 1) Visual Inspection | <input type="checkbox"/>            | 2) Instrument Check                | <input type="checkbox"/>            |
| 3) Tape Change       | <input checked="" type="checkbox"/> | 4) Battery Change                  | <input checked="" type="checkbox"/> |
| 5) Damage Repair     | <input type="checkbox"/>            | 6) Other <u>Reset meter clocks</u> |                                     |

## INTERROGATION VALUES

	ZERO	+BATT	-BATT	+ID	V <sub>x</sub>	V <sub>y</sub>	DIR	-ID/DEPTH	C	T	Tr
PROBE 1 (top)		12.1	12.1	1.3	\	\	\	\	4.5	11.9	8.2
OBE 2 (mid)											
PROBE 3 (bottom)											

INTERROGATION TIME 1610 M.C. = 6315 R.C. = 6319 AT 1700 HRTTIME METERS OUT OF WATER: Probe 1 — Probe 2 — Probe 3 —TIME OLD CASSETTE REMOVED 1645OLD CASSETTE LABEL: \* 

C	E	06	11
---	---	----	----

 \* 

A
---

 ← write A or B

↑ Station Number    ↑ Start Month  
 (2 digits)            (2 digits)

IS NEW TAPE IN CORRECTLY? ☒ DID YOU WRITE THE CORRECT INFORMATION ☒ON BOTH TAPE CASSETTES? \* ☒ DID YOU CLOSE THE LATCH? ☒TIME RECORDER RESET 1700TIME ALL METERS SUBMERGED: Probe 3 — Probe 2 — Probe 1 —

IF YOU HAVE SEEN THE TAPE ADVANCE, PLEASE NOTE TIME AND DATE (spell month):

1700 after 28 Nov 79

MARKS (problems with equipment, etc.):



SAN PABLO - CHIPS ISLAND

DATA LOGGER CHECK SHEET

STATION (spell out) SAN PABLO STATION NUMBER 1

CALIFORNIA  
CALENDAR DATE: MONTH (spell out) DECEMBER DAY 11 YEAR 1979

CALIFORNIA ARRIVAL TIME 10:45

DEPARTURE TIME 11:20

(leave blank)

RECORDER'S SIGNATURE Frank Caramelli

TASKS ACCOMPLISHED ON THIS STATION VISIT

- |  |   |
|--|---|
| 1) Visual Inspection <input checked="" type="checkbox"/> | 2) Instrument Check <input checked="" type="checkbox"/> |
| 3) Tape Change <input checked="" type="checkbox"/>       | 4) Battery Change <input checked="" type="checkbox"/>   |
| 5) Damage Repair <input type="checkbox"/>                | 6) Other _____  |

NEW → +12 -11.7 INTERROGATION VALUES

	ZERO	+BATT	-BATT	+ID	V <sub>x</sub>	V <sub>y</sub>	DIR	-ID/DEPTH	C	T	Tr
PROBE 1 (top)	.	11.3	12.3	.6	.6	+.2	90°		27.7	12.3	105
PROBE 2 (mid)				1.7	-.4	-.1	24°		32.8	12.8	93
PROBE 3 (bottom)				1.1	+.2	-.4	273°	34.8	31.7	12.9	57.3

INTERROGATION TIME 11:10

TIME METERS OUT OF WATER: Probe 1 \_\_\_\_\_ Probe 2 \_\_\_\_\_ Probe 3 \_\_\_\_\_

TIME OLD CASSETTE REMOVED 1055

OLD CASSETTE LABEL: \* C E 01 11 B ← write A or B  
 ↑ Station Number (2 digits) ↑ Start Month (2 digits)

IS NEW TAPE IN CORRECTLY? ☒ DID YOU WRITE THE CORRECT INFORMATION ☒

ON BOTH TAPE CASSETTES? \* ☒ DID YOU CLOSE THE LATCH? ☒

TIME RECORDER RESET 11:22

TIME ALL METERS SUBMERGED: Probe 3 \_\_\_\_\_ Probe 2 \_\_\_\_\_ Probe 1 \_\_\_\_\_

IF YOU HAVE SEEN THE TAPE ADVANCE, PLEASE NOTE TIME AND DATE (spell month):  
1100 Space 11 Dec 79

MARKS (problems with equipment, etc.):

R.C. - 21.53 P.M.T. - 1100 M.C. 2203  
 B.M. - 300 cm



SAN PABLO - CHIPS ISLAND

DATA LOGGEE CHECK SHEET

STATION (spell out) CARQUINEZ \* STATION NUMBER \* 2

CALIFORNIA

CALENDAR DATE: MONTH (spell out) DECEMBER DAY 11 \* YEAR 1977 \*CALIFORNIA ARRIVAL TIME 12:00DEPARTURE TIME 1415

(leave blank)

RECORDER'S SIGNATURE Frank Carmonelli

## TASKS ACCOMPLISHED ON THIS STATION VISIT

- |                      |                                     |                     |                                     |
|----------------------|-------------------------------------|---------------------|-------------------------------------|
| 1) Visual Inspection | <input checked="" type="checkbox"/> | 2) Instrument Check | <input checked="" type="checkbox"/> |
| 3) Tape Change       | <input checked="" type="checkbox"/> | 4) Battery Change   | <input checked="" type="checkbox"/> |
| 5) Damage Repair     | <input type="checkbox"/>            | 6) Other            |                                     |

NEW 12.2 11.7 INTERROGATION VALUES

	ZERO	+BATT	-BATT	+ID	V <sub>x</sub>	V <sub>y</sub>	DIR	-ID/DEPTH	C	T	Tr
PROBE 1 (top)	<u>12.0</u>	<u>11.7</u>	<u>12.3</u>	<u>2</u>	<u>1.3</u>	<u>1.1</u>	<u>200</u>		<u>13.5</u>	<u>12.5</u>	<u>53</u>
OBE 2 (mid)				<u>1</u>	<u>1.1</u>	<u>1.2</u>	<u>320</u>		<u>13.5</u>	<u>12.5</u>	<u>54</u>
PROBE 3 (bottom)				<u>1</u>	<u>1.3</u>	<u>1.4</u>	<u>360</u>	<u>27.3</u>	<u>19.1</u>	<u>12.2</u>	<u>55</u>

INTERROGATION TIME 14:30

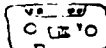
TIME METERS OUT OF WATER: Probe 1 \_\_\_\_\_ Probe 2 \_\_\_\_\_ Probe 3 \_\_\_\_\_

TIME OLD CASSETTE REMOVED \_\_\_\_\_

OLD CASSETTE LABEL: \* C E 02 11 \* B ← write A or B

↑ Station Number    ↑ Start Month  
(2 digits)            (2 digits)

IS NEW TAPE IN CORRECTLY?

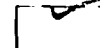


DID YOU WRITE THE CORRECT INFORMATION

ON BOTH TAPE CASSETTES? \*



DID YOU CLOSE THE LATCH?

TIME RECORDER RESET 14:30

TIME ALL METERS SUBMERGED: Probe 3 \_\_\_\_\_ Probe 2 \_\_\_\_\_ Probe 1 \_\_\_\_\_

IF YOU HAVE SEEN THE TAPE ADVANCE, PLEASE NOTE TIME AND DATE (spell month):

1430 5:00 PM 11 DEC 77

REMARKS (problems with equipment, etc.):

RC-2222  
PMT-

46-22473

24-24473

TRANSITION CABLE SPOKE OUT  
ON PROBE 1.



SAN PABLO - CHIPS ISLAND

DATA LOGGER CHECK SHEET

STATION (spell out) BENICIA \* STATION NUMBER \* 3

CALIFORNIA

CALENDAR DATE: MONTH (spell out) DECEMBER \* DAY 11 \* YEAR 1979

CALIFORNIA ARRIVAL TIME 1515

DEPARTURE TIME 1605

(leave blank)

RECORDER'S SIGNATURE Frank Caronelli

TASKS ACCOMPLISHED ON THIS STATION VISIT

- |                      |                                     |                     |                                     |
|----------------------|-------------------------------------|---------------------|-------------------------------------|
| 1) Visual Inspection | <input checked="" type="checkbox"/> | 2) Instrument Check | <input checked="" type="checkbox"/> |
| 3) Tape Change       | <input checked="" type="checkbox"/> | 4) Battery Change   | <input checked="" type="checkbox"/> |
| 5) Damage Repair     | <input checked="" type="checkbox"/> | 6) Other            | <u>REPAIRS</u>                      |

INTERROGATION VALUES

	ZERO	+BATT	-BATT	+ID	V <sub>x</sub>	V <sub>y</sub>	DIR	-ID/DEPTH	C	T	Tr
PROBE 1 (top)		12.9	-12.7	1.5	+4	-1	247°		11.9	12.4	42
OBE 2 (mid)				.5	+3	+64	247°		4.8	12.3	83
PROBE 3 (bottom)				2.5	+1	-3	62°	37.3	.06	12.0	58

INTERROGATION TIME 1545

TIME METERS OUT OF WATER: Probe 1 \_\_\_\_\_ Probe 2 \_\_\_\_\_ Probe 3 \_\_\_\_\_

TIME OLD CASSETTE REMOVED 1530

OLD CASSETTE LABEL: \* 

C	E	03	11
---	---	----	----

 \* 

5
---

 ← write A or B  
 ↑ Station Number (2 digits)    ↑ Start Month (2 digits)

IS NEW TAPE IN CORRECTLY? ☒ DID YOU WRITE THE CORRECT INFORMATION

ON BOTH TAPE CASSETTES? \* ☒ DID YOU CLOSE THE LATCH? ☒

TIME RECORDER RESET 1600

TIME ALL METERS SUBMERGED: Probe 3 \_\_\_\_\_ Probe 2 \_\_\_\_\_ Probe 1 \_\_\_\_\_

IF YOU HAVE SEEN THE TAPE ADVANCE, PLEASE NOTE TIME AND DATE (spell month):

1600 SPILL 11 Dec 79

REMARKS (problems with equipment, etc.): Battery empty of acid - Broken

RC-2253 Broken Recorder replaced with new one (Cassette)



SAN PABLO - CHIPS ISLAND

DATA LOGGER CHECK SHEET

STATION (spell out) PORT CHICAGO

\* STATION NUMBER \* 4

CALIFORNIA

CALENDAR DATE: MONTH (spell out) DECEMBER DAY 12 YEAR 1979

CALIFORNIA ARRIVAL TIME 1045

DEPARTURE TIME 1135

(leave blank)

RECORDER'S SIGNATURE

Frank Caramelli

TASKS ACCOMPLISHED ON THIS STATION VISIT

1) Visual Inspection ☒

3) Tape Change ☒

5) Damage Repair ☐

2) Instrument Check ☒

4) Battery Change ☒

6) Other ☐

INTERROGATION VALUES

	ZERO	+BATT	-BATT	+ID	V <sub>x</sub>	V <sub>y</sub>	DIR	-ID/DEPTH	C	T	Tr
PROBE 1 (top)											
PROBE 2 (mid)											
PROBE 3 (bottom)											

INTERROGATION TIME

TIME METERS OUT OF WATER: Probe 1 \_\_\_\_\_ Probe 2 \_\_\_\_\_ Probe 3 \_\_\_\_\_

TIME OLD CASSETTE REMOVED 1130

OLD CASSETTE LABEL: \*

C E 04 11 B

↑ Station Number (2 digits) ↑ Start Month (2 digits)

← write A or B

IS NEW TAPE IN CORRECTLY?

☒

DID YOU WRITE THE CORRECT INFORMATION

☒

ON BOTH TAPE CASSETTES? \*

☒

DID YOU CLOSE THE LATCH?

☒

TIME RECORDER RESET 1130

TIME ALL METERS SUBMERGED: Probe 3 \_\_\_\_\_ Probe 2 \_\_\_\_\_ Probe 1 \_\_\_\_\_

IF YOU HAVE SEEN THE TAPE ADVANCE, PLEASE NOTE TIME AND DATE (spell month):

1130 S. P. 12 Dec 79

REMARKS (problems with equipment, etc.):

BLUE BOX BROKEN  
replace Batteries



SAN CARLO - CHIPS ISLAND

DATA LOGGER CHECK SHEET

STATION (spell out) CHIPPS ISLAND \* STATION NUMBER \* 5

CALIFORNIA

CALENDAR DATE: MONTH (spell out) DECEMBER DAY 12 \* YEAR 79 \*CALIFORNIA ARRIVAL TIME 1153DEPARTURE TIME 1240

(leave blank)

RECORDER'S SIGNATURE Frank Casarelli

## TASKS ACCOMPLISHED ON THIS STATION VISIT

1) Visual Inspection ☒2) Instrument Check ☒3) Tape Change ☒4) Battery Change ☒5) Damage Repair ☐

6) Other \_\_\_\_\_

## INTERROGATION VALUES

	ZERO	+BATT	-BATT	+ID	V <sub>x</sub>	V <sub>y</sub>	DIR	-ID/DEPTH	C	T	Tr
PROBE 1 (top)											
PROBE 2 (mid)											
PROBE 3 (bottom)											

INTERROGATION TIME 12:30

TIME METERS OUT OF WATER: Probe 1 \_\_\_\_\_ Probe 2 \_\_\_\_\_ Probe 3 \_\_\_\_\_

TIME OLD CASSETTE REMOVED \_\_\_\_\_

OLD CASSETTE LABEL: \* C E 05 11 \* B ← write A or B↑ Station Number  
(2 digits)↑ Start Month  
(2 digits)IS NEW TAPE IN CORRECTLY? ☒DID YOU WRITE THE CORRECT INFORMATION ☒ON BOTH TAPE CASSETTES? \* ☒DID YOU CLOSE THE LATCH? ☒TIME RECORDER RESET 1230

TIME ALL METERS SUBMERGED: Probe 3 \_\_\_\_\_ Probe 2 \_\_\_\_\_ Probe 1 \_\_\_\_\_

IF YOU HAVE SEEN THE TAPE ADVANCE, PLEASE NOTE TIME AND DATE (spell month):

1730 S, P.M. 12 Dec 79

REMARKS (problems with equipment, etc.):

BLUE BOX BROKEN due to tape  
factory



## DATA LOGGER CHECK SHEET

DEPARTURE TIME 1400

(leave blank)

RECORDER'S SIGNATURE \_\_\_\_\_

1) Visual Inspection ☒ 2) Instrument Check ☒  
3) Tape Change ☒ 4) Battery Change ☒  
5) Damage Repair ☐ 6) Other NEW ZINC

[illegible]

INTERROGATION TIME /                     

TIME METERS OUT OF/WATER:    Probe 1                      Probe 2                      Probe 3

TIME OLD CASSETTE REMOVED 1320

OLD CASSETTE LABEL: \* 

C E	03	11
-----	----	----

 . 

B
---

 ← write A or B

↑ Station Number    ↑ Start Month  
(2 digits)            (2 digits)

IS NEW TAPE IN CORRECTLY? ☒ DID YOU WRITE THE CORRECT INFORMATION

ON BOTH TAPE CASSETTES? \* ☒ DID YOU CLOSE THE LATCH? ☒

TIME RECORDER RESET 330

TIME ALL METERS SUBMERGED: Probe 3 Probe 2 Probe 1

IF YOU HAVE SEEN THE TAPE ADVANCE, PLEASE NOTE TIME AND DATE (spell month):

-EKS (problems with equipment, etc.):

BLUE & GREEN

Charged zinc  
Battery } Tape



SAN PABLO - CHIPS ISLAND

DATA LOGGER CHECK SHEET

STATION (spell out) PORT CHICAGO \* STATION NUMBER \* 4

CALIFORNIA

CALENDAR DATE: MONTH (spell out) DEC. \* DAY 18 \* YEAR 79

CALIFORNIA ARRIVAL TIME 1230

DEPARTURE TIME \_\_\_\_\_

(leave blank)

RECORDER'S SIGNATURE R.S. Green

TASKS ACCOMPLISHED ON THIS STATION VISIT

- |                      |                          |                     |                                     |
|----------------------|--------------------------|---------------------|-------------------------------------|
| 1) Visual Inspection | <input type="checkbox"/> | 2) Instrument Check | <input checked="" type="checkbox"/> |
| 3) Tape Change       | <input type="checkbox"/> | 4) Battery Change   | <input type="checkbox"/>            |
| 5) Damage Repair     | <input type="checkbox"/> | 6) Other            | <u>Replace Standoff</u>             |

INTERROGATION VALUES

	ZERO	+BATT	-BATT	+ID	V <sub>x</sub>	V <sub>y</sub>	DIR	-ID/DEPTH	C	T	Tr
PROBE 1 (top)		12.9	12.7	11.4	1.1	1.0	105		10.8	10.9	10.9
PROBE 2 (mid)				1.4	0.9	1.5	48		14.0	11.2	46
PROBE 3 (bottom)				1.0	0.8	0.6	671	32	15.3	12.5	176

multiply by 10. for the reading.

INTERROGATION TIME R.C. = 4200 (Intermittent) P.M.T. = 1700

M.C. = 3905

TIME METERS OUT OF WATER: PROBE 1 \_\_\_\_\_ PROBE 2 \_\_\_\_\_ PROBE 3 \_\_\_\_\_

TIME OLD CASSETTE REMOVED \_\_\_\_\_

OLD CASSETTE LABEL: \* C E                       \*            ← write A or B

↑ Station Number (2 digits)    ↑ Start Month (2 digits)

IS NEW TAPE IN CORRECTLY? ☒ DID YOU WRITE THE CORRECT INFORMATION

ON BOTH TAPE CASSETTES? \* ☐ DID YOU CLOSE THE LATCH? ☐

TIME RECORDER RESET \_\_\_\_\_

TIME ALL METERS SUBMERGED: PROBE 3 \_\_\_\_\_ PROBE 2 \_\_\_\_\_ PROBE 1 \_\_\_\_\_

IF YOU HAVE SEEN THE TAPE ADVANCE, PLEASE NOTE TIME AND DATE (spell month):

REMARKS (problems with equipment, etc.):



SAN PABLO - CHIPS ISLAND

DATA LOGGER CHECK SHEET

STATION (spell out) CHIRPS ISLAND • STATION NUMBER • 5

CALIFORNIA

CALENDAR DATE: MONTH (spell out) DECEMBER • DAY 18 • YEAR 1979CALIFORNIA ARRIVAL TIME 11:35DEPARTURE TIME 1202

(leave blank)

RECORDER'S SIGNATURE Frank Cassmell

## TASKS ACCOMPLISHED ON THIS STATION VISIT

1) Visual Inspection ☒2) Instrument Check ☒3) Tape Change ☐4) Battery Change ☒5) Damage Repair ☐

6) Other \_\_\_\_\_

NEW - 12.5 - 12.3

## INTERROGATION VALUES

	ZERO	+BATT	-BATT	+ID	V <sub>x</sub>	V <sub>y</sub>	DIR	-ID/DEPTH	C	T	Tr
PROBE 1 (top)		12.9	18.7	1.9	0.1	1.6	192°		5.5	12.5	2.9
PROBE 2 (mid)				.9	10.4	11.4	55°		5.8	9.5	6.4
PROBE 3 (bottom)				1.3	11.7	9.1	2°	29	5.9	9.5	12.4

INTERROGATION TIME 11:40

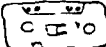
TIME METERS OUT OF WATER: Probe 1 \_\_\_\_\_ Probe 2 \_\_\_\_\_ Probe 3 \_\_\_\_\_

TIME OLD CASSETTE REMOVED \_\_\_\_\_

OLD CASSETTE LABEL: \* ☐ C ☐ E ☐ \_\_\_\_\_ . ☐ \_\_\_\_\_ ← write A or B

↑ Station Number (2 digits)    ↑ Start Month (2 digits)

IS NEW TAPE IN CORRECTLY?



DID YOU WRITE THE CORRECT INFORMATION

ON BOTH TAPE CASSETTES? \*



DID YOU CLOSE THE LATCH?

TIME RECORDER RESET 12:00

TIME ALL METERS SUBMERGED: Probe 3 \_\_\_\_\_ Probe 2 \_\_\_\_\_ Probe 1 \_\_\_\_\_

IF YOU HAVE SEEN THE TAPE ADVANCE, PLEASE NOTE TIME AND DATE (spell month):

MARKS (problems with equipment, etc.):

NO PROBLEMS  
NO TAPE



DEPARTURE TIME 1030

(leave blank)

RECORDER'S SIGNATURE

6) Other

IF YOU HAVE SEEN THE TAPE ADVANCE, PLEASE NOTE TIME AND DATE (spell month):

14-00000

...ment;

BLUE BOX REFS  $\phi$  FOR  $V_x, V_y$   
DIR, -I.D.



SAN PABLO - CHIPS ISLAND

DATA LOGGING CHECK SHEET

STATION (spell out) San Pablo (49) STATION NUMBER 41

CALIFORNIA

CALENDAR DATE: MONTH (spell out) December DAY 27 YEAR 79

CALIFORNIA ARRIVAL TIME 1743

DEPARTURE TIME 1908

(leave blank)

RECORDER'S SIGNATURE Jan Bar

TASKS ACCOMPLISHED ON THIS STATION VISIT

- |                      |                                     |                     |                                     |
|----------------------|-------------------------------------|---------------------|-------------------------------------|
| 1) Visual Inspection | <input type="checkbox"/>            | 2) Instrument Check | <input type="checkbox"/>            |
| 3) Tape Change       | <input checked="" type="checkbox"/> | 4) Battery Change   | <input checked="" type="checkbox"/> |
| 5) Damage Repair     | <input type="checkbox"/>            | 6) Other            |                                     |

INTERROGATION VALUES

	ZERO	+BATT	-BATT	+ID	V <sub>x</sub>	V <sub>y</sub>	DIR	-ID/DEPTH	C	T	Tr
PROBE 1 (top)											
PROBE 2 (mid)											
PROBE 3 (bottom)											

old 10.9 - 11.3  
new 12.2 - 12.5

INTERROGATION TIME

TIME METERS OUT OF WATER: Probe 1 Probe 2 Probe 3

TIME OLD CASSETTE REMOVED 1315

OLD CASSETTE LABEL: \* 

C	E	01	12	A
---	---	----	----	---

 ← write A or B

↑ Station Number (2 digits) ↑ Start Month (2 digits)

IS NEW TAPE IN CORRECTLY? ☒ DID YOU WRITE THE CORRECT INFORMATION

ON BOTH TAPE CASSETTES? \* ☒ DID YOU CLOSE THE LATCH? ☒

TIME RECORDER RESET RESET AT 1330 / 1400

TIME ALL METERS SUBMERGED: Probe 3 Probe 2 Probe 1

IF YOU HAVE SEEN THE TAPE ADVANCE, PLEASE NOTE TIME AND DATE (spell month):

REMARKS (problems with equipment, etc.):

5% EXPENDITURE SEE MY NOTES



AS PROJECT DATA 7-78-C-0049  
 SAN PABLO - CHIPS ISLAND  
 DATA LOGGER CHECK SHEET

STATION (spell out) Carquinez Straits (dock) \* STATION NUMBER \* #2

CALIFORNIA

CALENDAR DATE: MONTH (spell out) December \* DAY 27 \* YEAR 79 \*

CALIFORNIA ARRIVAL TIME 1445

DEPARTURE TIME \_\_\_\_\_

(leave blank)

RECORDER'S SIGNATURE

Jim Barr

TASKS ACCOMPLISHED ON THIS STATION VISIT

1) Visual Inspection ☐

2) Instrument Check ☐

3) Tape Change ☒

4) Battery Change ☒

5) Damage Repair ☐

6) Other \_\_\_\_\_

old

INTERROGATION VALUES

PROBE 1 (top)

PROBE 2 (mid)

PROBE 3 (bottom)

ZERO	+BATT	-BATT	+ID	V <sub>x</sub>	V <sub>y</sub>	DIR	-ID/DEPTH	C	T	Tr

new 12.2 12.5

INTERROGATION TIME \_\_\_\_\_

TIME METERS OUT OF WATER: Probe 1 \_\_\_\_\_ Probe 2 \_\_\_\_\_ Probe 3 \_\_\_\_\_

TIME OLD CASSETTE REMOVED \_\_\_\_\_

OLD CASSETTE LABEL: \*

C E

↑ Station Number  
(2 digits)

↑ Start Month  
(2 digits)

.

← write A or B

IS NEW TAPE IN CORRECTLY?

☒

☐

DID YOU WRITE THE CORRECT INFORMATION

ON BOTH TAPE CASSETTES? \*

☐

DID YOU CLOSE THE LATCH?

☐

TIME RECORDER RESET \_\_\_\_\_

TIME ALL METERS SUBMERGED: Probe 3 \_\_\_\_\_ Probe 2 \_\_\_\_\_ Probe 1 \_\_\_\_\_

IF YOU HAVE SEEN THE TAPE ADVANCE, PLEASE NOTE TIME AND DATE (spell month):

REMARKS (problems with equipment, etc.):



SEA TACLOC - WHITE ISLAND

DATA LOGGER CHECK SHEET

STATION (spell out) Benicia (#6) STATION NUMBER #3

CALIFORNIA

CALENDAR DATE: MONTH (spell out) December DAY 27 YEAR 79

CALIFORNIA ARRIVAL TIME 1122

DEPARTURE TIME 1200

(leave blank)

RECORDER'S SIGNATURE John Bauer

TASKS ACCOMPLISHED ON THIS STATION VISIT

- |                      |                                     |                     |                                     |
|----------------------|-------------------------------------|---------------------|-------------------------------------|
| 1) Visual Inspection | <input type="checkbox"/>            | 2) Instrument Check | <input type="checkbox"/>            |
| 3) Tape Change       | <input checked="" type="checkbox"/> | 4) Battery Change   | <input checked="" type="checkbox"/> |
| 5) Damage Repair     | <input type="checkbox"/>            | 6) Other            |                                     |

old 11.9 11.8 INTERROGATION VALUES

	ZERO	+BATT	-BATT	+ID	V <sub>x</sub>	V <sub>y</sub>	DIR	-ID/DEPTH	C	T	Tr
PROBE 1 (top)											
PROBE 2 (mid)											
PROBE 3 (bottom)											

INTERROGATION TIME new 11.4 12.2 Blue Box Broken

TIME METERS OUT OF WATER: Probe 1 \_\_\_\_\_ Probe 2 \_\_\_\_\_ Probe 3 \_\_\_\_\_

TIME OLD CASSETTE REMOVED 1140

OLD CASSETTE LABEL: \* C E 05 12 A ← write A or B

↑ Station Number (2 digits) ↑ Start Month (2 digits)

IS NEW TAPE IN CORRECTLY? ☒ DID YOU WRITE THE CORRECT INFORMATION ☒

ON BOTH TAPE CASSETTES? ☒ DID YOU CLOSE THE LATCH? ☐

TIME RECORDER RESET 1200

TIME ALL METERS SUBMERGED: Probe 3 \_\_\_\_\_ Probe 2 \_\_\_\_\_ Probe 1 \_\_\_\_\_

IF YOU HAVE SEEN THE TAPE ADVANCE, PLEASE NOTE TIME AND DATE (spell month):

1200 27 Dec 79

REMARKS (problems with equipment, etc.):

Replaced Benicia recorder that Davis repaired,  
recovered Coughlin's recorder.



SAFETY - THIS ISLAND

DATA LOGGER CHECK SHEET

STATION (spell out) Port Chicago (#19) \* STATION NUMBER #4

CALIFORNIA

CALENDAR DATE: MONTH (spell out) December \* DAY 27 \* YEAR 79

CALIFORNIA ARRIVAL TIME 1400

DEPARTURE TIME 1630

(leave blank)

RECORDER'S SIGNATURE Jewell

TASKS ACCOMPLISHED ON THIS STATION VISIT

1) Visual Inspection ☐

2) Instrument Check ☒

3) Tape Change ☒

4) Battery Change ☒

5) Damage Repair ☒

6) Other

INTERROGATION VALUES

	ZERO	+BATT	-BATT	+ID	V <sub>x</sub>	V <sub>y</sub>	DIR	-ID/DEPTH	C	T	Tr
PROBE 1 (top)											
PROBE 2 (mid)											
PROBE 3 (bottom)											

INTERROGATION TIME Blue Bay Station Area

TIME METERS OUT OF WATER: Probe 1 Probe 2 2 Probe 3 3

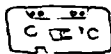
TIME OLD CASSETTE REMOVED

OLD CASSETTE LABEL: \* 

C E	04	12	A
-----	----	----	---

 ← write A or B  
 ↑ Station Number (2 digits)    ↑ Start Month (2 digits)

IS NEW TAPE IN CORRECTLY?



DID YOU WRITE THE CORRECT INFORMATION

ON BOTH TAPE CASSETTES? \*

☐

DID YOU CLOSE THE LATCH?

☐

TIME RECORDER RESET

TIME ALL METERS SUBMERGED: Probe 3 3 Probe 2 2 Probe 1 1

IF YOU HAVE SEEN THE TAPE ADVANCE, PLEASE NOTE TIME AND DATE (spell month):

PROBLEMS (problems with equipment, etc.): Power off @ 1430



SAN PABLO - CHIPS ISLAND

DATA LOGGER CHECK SHEET

STATION (spell out) Port Chicago \* STATION NUMBER \* 4

CALIFORNIA

CALENDAR DATE: MONTH (spell out) December \* DAY 27 \* YEAR 1979

CALIFORNIA ARRIVAL TIME 1215

DEPARTURE TIME 1045

(leave blank)

RECORDER'S SIGNATURE

TASKS ACCOMPLISHED ON THIS STATION VISIT

- |                      |                                     |                     |                                     |
|----------------------|-------------------------------------|---------------------|-------------------------------------|
| 1) Visual Inspection | <input type="checkbox"/>            | 2) Instrument Check | <input checked="" type="checkbox"/> |
| 3) Tape Change       | <input checked="" type="checkbox"/> | 4) Battery Change   | <input type="checkbox"/>            |
| 5) Damage Repair     | <input type="checkbox"/>            | 6) Other            |                                     |

INTERROGATION VALUES

	ZERO	+BATT	-BATT	+ID	V <sub>x</sub>	V <sub>y</sub>	DIR	-ID/DEPTH	C	T	Tr
PROBE 1 (top)		15	15	2			Removed				
PROBE 2 (mid)							Functioning, but				
PROBE 3 (bottom)							NO Blue Box Data				

INTERROGATION TIME Blue Box Broken

TIME METERS OUT OF WATER: Probe 1 w/TEST of other Probe 2  Probe 3

TIME OLD CASSETTE REMOVED

OLD CASSETTE LABEL: \* C E 04 12 A ← write A or B

↑ Station Number (2 digits) ↑ Start Month (2 digits)

IS NEW TAPE IN CORRECTLY? ☒ DID YOU WRITE THE CORRECT INFORMATION

ON BOTH TAPE CASSETTES? \* ☒ DID YOU CLOSE THE LATCH? ☒

TIME RECORDER RESET reset at 1030

TIME ALL METERS SUBMERGED: Probe 3  Probe 2  Probe 1

IF YOU HAVE SEEN THE TAPE ADVANCE, PLEASE NOTE TIME AND DATE (spell month):

1030 27 Dec 79

REMARKS (problems with equipment, etc.):



SAN PABLO - CHIPS ISLAND

DATA LOGGER CHECK SHEET

STATION (spell out) Chips Island (#27) \* STATION NUMBER \* 75

CALIFORNIA

CALENDAR DATE: MONTH (spell out) December \* DAY 26 \* YEAR 79

CALIFORNIA ARRIVAL TIME 1247

DEPARTURE TIME 1335

(leave blank)

RECORDER'S SIGNATURE John Camp B...

TASKS ACCOMPLISHED ON THIS STATION VISIT

- 1) Visual Inspection ☐
- 3) Tape Change ☒
- 5) Damage Repair ☐

- 2) Instrument Check ☒
- 4) Battery Change ☒
- 6) Other new batt.

INTERROGATION VALUES

	ZERO	+BATT	-BATT	+ID	V <sub>x</sub>	V <sub>y</sub>	DIR	-ID/DEPTH	C	T	Tr
PROBE 1 (top)				1.8	-0.6	-1.4	178°	-1.8	2.92	10.2	3.7
PROBE 2 (mid)				0.8	-0.4	-0.9	44°	-0.8	2.85	9.4	8.7
PROBE 3 (bottom)				1.3	-0.8	-0.6	2°	-1.3/24	2.95	9.8	2.6

INTERROGATION TIME 12.3 - 12.1 1315

TIME METERS OUT OF WATER: Probe 1            Probe 2            Probe 3           

TIME OLD CASSETTE REMOVED           

OLD CASSETTE LABEL: \* C E 05 12 A ← write A or B

↑ Station Number    ↑ Start Month  
(2 digits)            (2 digits)

IS NEW TAPE IN CORRECTLY? ☒ DID YOU WRITE THE CORRECT INFORMATION

ON BOTH TAPE CASSETTES? \* ☒ DID YOU CLOSE THE LATCH? ☒

TIME RECORDER RESET 1330

TIME ALL METERS SUBMERGED: Probe 3            Probe 2            Probe 1           

IF YOU HAVE SEEN THE TAPE ADVANCE, PLEASE NOTE TIME AND DATE (spell month):

1330 S. Am 26 December 1979

MARKS (problems with equipment, etc.):

Salinity test w/ H<sub>2</sub>O samples at 20-300 & 570 cm, respectively  
Data Group made for Burst 3 per 1 for 5 minutes, THEN H<sub>2</sub>O  
sample on 2nd reset of 2 or 3rd hex head movement.



AN: P-100 - CHIPS ISLAND

DATA LOGGER CHECK SHEET

STATION (spell out) Grizzly Bay (dolphin) \* STATION NUMBER \* 76

CALIFORNIA

CALENDAR DATE: MONTH (spell out) December \* DAY 26 \* YEAR 1979

CALIFORNIA ARRIVAL TIME 1100

DEPARTURE TIME 1205

(leave blank)

RECORDER'S SIGNATURE

TASKS ACCOMPLISHED ON THIS STATION VISIT

1) Visual Inspection ☐

3) Tape Change ☒

5) Damage Repair ☐

2) Instrument Check ☒

4) Battery Change ☒

6) Other

INTERROGATION VALUES

	ZERO	+BATT	-BATT	+ID	V <sub>x</sub>	V <sub>y</sub>	DIR	-ID/DEPTH	C	T	Tr
PROBE 1 (top)		12.7	12.1	1.3				-1.3	646	9.94	2.6
OBE 2 (mid)											
PROBE 3 (bottom)											

INTERROGATION TIME 1143

TIME METERS OUT OF WATER: Probe 1 \_\_\_\_\_ Probe 2 \_\_\_\_\_ Probe 3 \_\_\_\_\_

TIME OLD CASSETTE REMOVED \_\_\_\_\_

OLD CASSETTE LABEL: \* ☐ E ☐ 00 ☐ 12 \* ☒ A ← write A or B

↑ Station Number (2 digits) ↑ Start Month (2 digits)

IS NEW TAPE IN CORRECTLY? ☒

DID YOU WRITE THE CORRECT INFORMATION

ON BOTH TAPE CASSETTES? \* ☒

DID YOU CLOSE THE LATCH? ☒

TIME RECORDER RESET 1200

TIME ALL METERS SUBMERGED: Probe 1 \_\_\_\_\_ Probe 2 \_\_\_\_\_ Probe 3 \_\_\_\_\_

IF YOU HAVE SEEN THE TAPE ADVANCE, PLEASE NOTE TIME AND DATE (spell month):

1200 26 December 1979

REMARKS (problems with equipment, etc.):

Salinity test w/ Niskin Bottle set for 1 meter  
Depth, Recorder set to Data groups for Burst of 1 hex head  
Movement, 3 sec - 10 min 15 min 30 min 45 min 1 hr  
Data sets made on 2nd & 3rd hex head Movement.



SAN PABLO - CHIPS ISLAND

DATA LOGGER CHECK SHEET

STATION (spell out) San Pablo \* STATION NUMBER \* 1

CALIFORNIA  
CALENDAR DATE: MONTH (spell out) January \* DAY 10 \* YEAR 1980 \*

CALIFORNIA ARRIVAL TIME 1155

DEPARTURE TIME 1217

(leave blank)

RECORDER'S SIGNATURE \_\_\_\_\_

TASKS ACCOMPLISHED ON THIS STATION VISIT

1) Visual Inspection ☐

3) Tape Change ☒

5) Damage Repair ☐

2) Instrument Check ☒

4) Battery Change ☒

6) Other \_\_\_\_\_

INTERROGATION VALUES

	ZERO	+BATT <i>new</i>	-BATT	+ID	V <sub>x</sub>	V <sub>y</sub>	DIR	-ID/DEPTH	C	T	Tr
PROBE 1 (top)		12.4	-12.5	.6	-4	-0.6	580	—	—	—	—
PROBE 2 (mid)											
PROBE 3 (bottom)											

INTERROGATION TIME 1205

TIME METERS OUT OF WATER: Probe 1 \_\_\_\_\_ Probe 2 \_\_\_\_\_ Probe 3 \_\_\_\_\_

TIME OLD CASSETTE REMOVED 1155

OLD CASSETTE LABEL: \* 

C	E	01	01
---	---	----	----

 \* 

A
---

 ← write A or B

↑ Station Number (2 digits)    ↑ Start Month (2 digits)

IS NEW TAPE IN CORRECTLY? ☒

DID YOU WRITE THE CORRECT INFORMATION ☒

ON BOTH TAPE CASSETTES? \* ☒

DID YOU CLOSE THE LATCH? ☒

TIME RECORDER RESET 1200

TIME ALL METERS SUBMERGED: Probe 3 \_\_\_\_\_ Probe 2 \_\_\_\_\_ Probe 1 \_\_\_\_\_

IF YOU HAVE SEEN THE TAPE ADVANCE, PLEASE NOTE TIME AND DATE (spell month):

1200 S. Pace

REMARKS (problems with equipment, etc.):

blue box still broken



SAN PABLO - CHIPS ISLAND

DATA LOGGER CHECK SHEET

STATION (spell out) Campinez Straight \* STATION NUMBER \* 2

CALIFORNIA  
CALENDAR DATE: MONTH (spell out) January \* DAY 10 \* YEAR 1980

CALIFORNIA ARRIVAL TIME 1250

DEPARTURE TIME 1335

(leave blank)

RECORDER'S SIGNATURE S. Pace

TASKS ACCOMPLISHED ON THIS STATION VISIT

- |                      |                                     |                     |                                     |
|----------------------|-------------------------------------|---------------------|-------------------------------------|
| 1) Visual Inspection | <input checked="" type="checkbox"/> | 2) Instrument Check | <input type="checkbox"/>            |
| 3) Tape Change       | <input checked="" type="checkbox"/> | 4) Battery Change   | <input checked="" type="checkbox"/> |
| 5) Damage Repair     | <input type="checkbox"/>            | 6) Other            |                                     |

INTERROGATION VALUES

	ZERO	+BATT	-BATT	+ID	V <sub>x</sub>	V <sub>y</sub>	DIR	-ID/DEPTH	C	T	Tr
PROBE 1 (top)											
PROBE 2 (mid)											
PROBE 3 (bottom)											

Blue Box Broken

INTERROGATION TIME

TIME METERS OUT OF WATER: Probe 1 Probe 2 Probe 3

TIME OLD CASSETTE REMOVED 1310

OLD CASSETTE LABEL: \* C E 02 01 \* A ← write A or B  
 ↑ Station Number (2 digits) ↑ Start Month (2 digits)

NEW TAPE IN CORRECTLY? ☒ DID YOU WRITE THE CORRECT INFORMATION

ON BOTH TAPE CASSETTES? \* ☒ DID YOU CLOSE THE LATCH? ☒

TIME RECORDER RESET 1330

TIME ALL METERS SUBMERGED: Probe 3 Probe 2 Probe 1

IF YOU HAVE SEEN THE TAPE ADVANCE, PLEASE NOTE TIME AND DATE (spell month):

1330 S. Pace 10 JAN 80

REMARKS (problems with equipment, etc.):



SAN PABLO - CHIPS ISLAND

DATA LOGGER CHECK SHEET

STATION (spell out) Benic Bridge STATION NUMBER 3CALIFORNIA  
CALENDAR DATE: MONTH (spell out) January DAY 10 YEAR 1980CALIFORNIA ARRIVAL TIME 1417DEPARTURE TIME 1433

(leave blank)

RECORDER'S SIGNATURE [Signature]

## TASKS ACCOMPLISHED ON THIS STATION VISIT

1) Visual Inspection ☐3) Tape Change ☒5) Damage Repair ☐2) Instrument Check ☒4) Battery Change ☒

6) Other \_\_\_\_\_

## INTERROGATION VALUES

	ZERO	+BATT	-BATT	+ID	V <sub>x</sub>	V <sub>y</sub>	DIR	-ID/DEPTH	C	T	Tr
PROBE 1 (top)											
PROBE 2 (mid)											
PROBE 3 (bottom)											

Blue Box Broken

INTERROGATION TIME \_\_\_\_\_

TIME METERS OUT OF WATER: Probe 1 \_\_\_\_\_ Probe 2 \_\_\_\_\_ Probe 3 \_\_\_\_\_

TIME OLD CASSETTE REMOVED \_\_\_\_\_

OLD CASSETTE LABEL: \* CE 03 01 A ← write A or B

↑ Station Number (2 digits) ↑ Start Month (2 digits)

DID NEW TAPE IN CORRECTLY? ☒

DID YOU WRITE THE CORRECT INFORMATION

ON BOTH TAPE CASSETTES? ☒DID YOU CLOSE THE LATCH? ☒TIME RECORDER RESET 1430

TIME ALL METERS SUBMERGED: Probe 3 \_\_\_\_\_ Probe 2 \_\_\_\_\_ Probe 1 \_\_\_\_\_

IF YOU HAVE OPEN THE TAPE ADVANCE, PLEASE NOTE TIME AND DATE (spell month):

1430 San Jan 1980

IF YOU HAVE PROBLEMS WITH EQUIPMENT, ETC.):



5. (problems with equipment, etc.):  
Power down 3:1520 replaced pole #1  
Station was hit & recorder & Stand. #3 Damaged



DEPARTURE TIME 1735

RECORDER'S SIGNATURE 

## 6) Other

INTERROGATION TIME *True box broken*

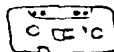
[illegible]

1 ME OLD CASSETTE REMOVED

LD CASSETTE LABEL:\*    C E    05    01    .    A   ← write A or B

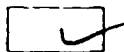
↑ Station Number    ↑ Start Month  
(2 digits)                 (2 digits)

NEW TAPE IN CORRECTLY?

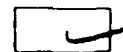


DID YOU WRITE THE CORRECT INFORMATION

ON BOTH TAPE CASSETTES? \*



DID YOU CLOSE THE LATCH?



ME RECORDER RESET 1730

ALL MATERS SUBMERGED:    Probe 3                      Probe 2                      Probe 1

YOU HAVE SEEN THE TAPE ADVANCE, PLEASE NOTE TIME AND DATE (spell month):

US (problems with equipment, etc.):



SAN PABLO - CHIPS ISLAND

DATA LOGGER CHECK SHEET

STATION (spell out) Grizzly Bay STATION NUMBER 6  
 CALIFORNIA  
 CALENDAR DATE: MONTH (spell out) JANUARY DAY 10 YEAR 1980  
 CALIFORNIA ARRIVAL TIME 1810  
 DEPARTURE TIME 1838

(leave blank)

RECORDER'S SIGNATURE S. Paul

TASKS ACCOMPLISHED ON THIS STATION VISIT

1) Visual Inspection ☐

2) Instrument Check ☐

3) Tape Change ☒

4) Battery Change ☒

5) Damage Repair ☐

6) Other \_\_\_\_\_

INTERROGATION VALUES

	ZERO	+BATT	-BATT	+ID	V <sub>x</sub>	V <sub>y</sub>	DIR	-ID/DEPTH	C	T	Tr
PROBE 1 (top)											
PROBE 2 (mid)											
PROBE 3 (bottom)											

Blue Top Broken

INTERROGATION TIME \_\_\_\_\_

TIME METERS OUT OF WATER: Probe 1 \_\_\_\_\_ Probe 2 \_\_\_\_\_ Probe 3 \_\_\_\_\_

TIME OLD CASSETTE REMOVED \_\_\_\_\_

OLD CASSETTE LABEL: \*

☐ C ☐ E ☐ 06 ☐ 01 ☐ A

← write A or B

↑ Station Number (2 digits) ↑ Start Month (2 digits)

NEW TAPE IN CORRECTLY?

☒

DID YOU WRITE THE CORRECT INFORMATION

☒

ON BOTH TAPE CASSETTES? \*

☒

DID YOU CLOSE THE LATCH?

☒

RE RECORDER RESET

1830

TIME ALL METERS SUBMERGED: Probe 3 \_\_\_\_\_ Probe 2 \_\_\_\_\_ Probe 1 \_\_\_\_\_

YOU HAVE SEEN THE TAPE ADVANCE, PLEASE NOTE TIME AND DATE (spell month):

1830 S. Paul

REMARKS (problems with equipment, etc.):



San Pablo  
vandalized



DEPARTURE TIME 1250

RECORDER'S SIGNATURE

6) Other

ZERO	+BATT	-BATT	+ID	V <sub>x</sub>	V <sub>y</sub>	DIR	-ID/DEPTH	C	T	Tr
old	+12.1	-11.6	.2	+2	+6	202	-.2	5.2	9.3	11.8
new	+11.9	-12.0	.1	-1.3	+2.1	317	-.1	5.1	9.4	9.2
			+1.0	+06	-.2	357	29.4	5.6	8.9	4.2

Probably should change again soon



## DATA LOGGER CHECK SHEET

DEPARTURE TIME 2030

RECORDER'S SIGNATURE H. J. Jones

6) Other

ZERO	+BATT	-BATT	+ID	V <sub>x</sub>	V <sub>y</sub>	DIR	-ID/DEPTH	C	T	Tr
New	11.9	-11.9	1.5	4.6	-.6	232	-1.5	.92	8.77	4
			+ .5	4.7	-.07	222	-.5	.45	9.0	13.2
			+ .2	-0.6	-.02	14	28.6	5.0	8.9	10.5

LD CASSETTE LABEL: \* 

C E	02	13
-----	----	----

 . 

B
---

 ← — write A or B

↑ Station Number    ↑ Start Month  
(2 digits)            (2 digits)

YOU HAVE SEEN THE TAPE ADVANCE PLEASE NOTE TIME AND DATE (spell month):

-XKS (problems with equipment, etc.):

~~Twilight probe #3 & had ~134.0v.~~



replaced bottom meter. no direction  
TEMP. looks Bad For #1



## SAN PABLO - CHIPS ISLAND

## DATA LOGGER CHECK SHEET

STATION (spell out) Chips Island STATION NUMBER 5

CALIFORNIA

CALENDAR DATE: MONTH (spell out) January DAY 30 YEAR 80CALIFORNIA ARRIVAL TIME 0950DEPARTURE TIME 1050

(leave blank)

RECORDER'S SIGNATURE HL Jones

## TASKS ACCOMPLISHED ON THIS STATION VISIT

1) Visual Inspection ☒2) Instrument Check ☒3) Tape Change ☒4) Battery Change ☒5) Damage Repair ☐6) Other ZINCS OK

## INTERROGATION VALUES

	ZERO	+BATT	-BATT	+ID	V <sub>x</sub>	V <sub>y</sub>	DIR	-ID/DEPTH	C	T	Tr
PROBE 1 (top)	<u>ld</u>	<u>+9.1</u>	<u>-12.0</u>	<u>+1.8</u>	<u>-.9</u>	<u>-.2</u>	<u>90</u>	<u>-1.8</u>	<u>.12</u>	<u>7.9</u>	<u>8.9</u>
PROBE 2 (mid)	<u>new</u>	<u>+11.7</u>	<u>-11.7</u>	<u>+0.8</u>	<u>-.9</u>	<u>+0.3</u>	<u>290</u>	<u>-.8</u>	<u>.12</u>	<u>7.6</u>	<u>8.2</u>
PROBE 3 (bottom)				<u>+1.2</u>	<u>+0.3</u>	<u>+7.3</u>	<u>2</u>	<u>25.4</u>	<u>1.2</u>	<u>7.8</u>	<u>10</u>

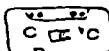
INTERROGATION TIME 1035

TIME METERS OUT OF WATER: Probe 1 \_\_\_\_\_ Probe 2 \_\_\_\_\_ Probe 3 \_\_\_\_\_

TIME OLD CASSETTE REMOVED 1028OLD CASSETTE LABEL: \* C E 05 13 B ← write A or B

↑ Station Number (2 digits) ↑ Start Month (2 digits)

NEW TAPE IN CORRECTLY?



DID YOU WRITE THE CORRECT INFORMATION

ON BOTH TAPE CASSETTES? \*



DID YOU CLOSE THE LATCH?

TIME RECORDER RESET 1030

TIME ALL METERS SUBMERGED: Probe 3 \_\_\_\_\_ Probe 2 \_\_\_\_\_ Probe 1 \_\_\_\_\_

YOU HAVE SEEN THE TAPE ADVANCE, PLEASE NOTE TIME AND DATE (spell month):

S. Pore 1030 30 January 1980 SD

-KS (problems with equipment, etc.):

Power DOWN AT 1015



SAN PABLO - CHIPS ISLAND

## DATA LOGGER CHECK SHEET

STATION (spell out) Grizzly Bay \* STATION NUMBER \* 6

CALIFORNIA

CALENDAR DATE: MONTH (spell out) January \* DAY 30 \* YEAR 1980CALIFORNIA ARRIVAL TIME 1140DEPARTURE TIME 1235

(leave blank)

RECORDER'S SIGNATURE 9/10/80

## TASKS ACCOMPLISHED ON THIS STATION VISIT

1) Visual Inspection ☐3) Tape Change ☒5) Damage Repair ☐2) Instrument Check ☒4) Battery Change ☒

6) Other \_\_\_\_\_

## INTERROGATION VALUES

	ZERO	+BATT	-BATT	+ID	V <sub>x</sub>	V <sub>y</sub>	DIR	-ID/DEPTH	C	T	Tr
PROBE 1 (top)	<u>old</u>	<u>+12.1</u>	<u>-12.2</u>	<u>1.3</u>				<u>-1.3</u>	<u>.16</u>	<u>8.2</u>	<u>6.0</u>
PROBE 2 (mid)											
PROBE 3 (bottom)	<u>new</u>	<u>+12.2</u>	<u>-12.0</u>								

INTERROGATION TIME 1212

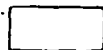
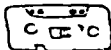
TIME METERS OUT OF WATER: Probe 1 \_\_\_\_\_ Probe 2 \_\_\_\_\_ Probe 3 \_\_\_\_\_

TIME OLD CASSETTE REMOVED \_\_\_\_\_

OLD CASSETTE LABEL: \* C E               .        ← write A or B

↑ Station Number (2 digits)    ↑ Start Month (2 digits)

IS NEW TAPE IN CORRECTLY?



DID YOU WRITE THE CORRECT INFORMATION

ON BOTH TAPE CASSETTES? \*



DID YOU CLOSE THE LATCH?



TIME RECORDER RESET \_\_\_\_\_

TIME ALL METERS SUBMERGED: Probe 3 \_\_\_\_\_ Probe 2 \_\_\_\_\_ Probe 1 \_\_\_\_\_

IF YOU HAVE SEEN THE TAPE ADVANCE, PLEASE NOTE TIME AND DATE (spell month):

REMARKS (problems with equipment, etc.):



## CORPS OF ENGINEERS PROJECT DACW07-78-C-0049

SAN PABLO - CHIPPS ISLAND

IAL H

## DATA LOGGER CHECK SHEET

NAME (spell out)

Carquinez Strait\* STATION NUMBER\* 1

F. CALENDAR DATE: MONTH (spell out)

February

\* DAY

14

\* YEAR

1980

G. ARRIVAL TIME

0950

DEPARTURE TIME

1010

ave blank)

H. ACCOMPLISHED ON THIS STATION VISIT:

Change type batteries

## INTERROGATION VALUES

	MTR#	+ID	V <sub>x</sub>	V <sub>y</sub>	DIR	R	θ	-ID/DP	C	T	TURB
DP	<u>+12.9</u> <u>New</u>	<u>+0.2</u>	<u>-.03</u>	<u>-.36</u>	<u>180</u>			<u>-.2</u>	<u>14.8</u>	<u>10.8</u>	<u>14.7</u>
D	<u>-12.0</u> <u>old</u>	<u>+0.1</u>	<u>-1.0</u>	<u>1.0</u>	<u>328</u>			<u>-.1</u>	<u>19.6</u>	<u>11.3</u>	<u>2.3</u>
T	<u>old</u>	<u>+1</u>	<u>-.06</u>	<u>+0.0</u>	<u>328</u>			<u>30.64</u>	<u>20.8</u>	<u>10.9</u>	<u>-4.3</u>

BATTERY	BM TO DPTH	BM TO WL	DPTH	DK DPTH	CALC SALT
TERY					
<u>1.4 - 12.0</u>	<u>1146</u>	<u>1200m</u>	<u>102.6</u>		<u>12.127</u>

ROGATION TIME

095

METERS OUT OF WATER: Probe 1

Probe 2

Probe 3

OLD CASSETTE REMOVED

CASSETTE LABEL:

CE

1212Station Number  
(2 digits)Start Month  
(2 digits)

← write A or B

TAPE IN CORRECTLY?

DID YOU WRITE THE CORRECT INFORMATION ON THE CASSETTE  
AND DID YOU CLOSE THE LATCH?

RECORDER RESET

ALL METERS SUBMERGED: Probe 3

Probe 2

Probe 1

I HAVE SEEN THE TAPE ADVANCE, PLEASE NOTE TIME AND DATE (SPELL MONTH):

S (PROBLEMS WITH EQUIPMENT, ETC.):

see bottom turbidity



## CORPS OF ENGINEERS PROJECT DACW07-78-C-0049

SAN PABLO - CHIPPS ISLAND

IAL 11

## DATA LOGGER CHECK SHEET

ION (spell out) 1 \* STATION NUMBER\* 3P. CALENDAR DATE: MONTH (spell out) Feb \* DAY 14 \* YEAR 198P. ARRIVAL TIME 1100 DEPARTURE TIME 1155

ave blank)

S ACCOMPLISHED ON THIS STATION VISIT: change battery, check meterINTERROGATION VALUES 12.1

	MTR#	+ID	V <sub>x</sub>	V <sub>y</sub>	DIR	R	θ	-ID/DP	C	T	TURB
DP		1.5	1.2	1.4	100	1.46	22.1		15.8	11.7	
ID		1.2	1.1	1.1	100	1.07	2.1		5.5	11.0	
DT		1.4	1.3	1.4	113	0.5	57.1		11.0	10.5	

± 5 cm1043

BATTERY	BM TO DPTH	BM TO WL	DPTH	DK DPTH	CALC SALT
BATTERY	<u>1215</u>	<u>141</u>	<u>1074</u>		<u>12.98</u> <u>14.32</u>

ROGATION TIME 1145

METERS OUT OF WATER: Probe 1 \_\_\_\_\_ Probe 2 \_\_\_\_\_ Probe 3 \_\_\_\_\_

OLD CASSETTE REMOVED \_\_\_\_\_

CASSETTE LABEL: \* CE 03 14 \* A ← write A or B  
Station Number Start Month  
(2 digits) (2 digits)W TAPE IN CORRECTLY? ☒ DID YOU WRITE THE CORRECT INFORMATION ON THE CASSETTE  
AND DID YOU CLOSE THE LATCH? ☐

RECORDER RESET \_\_\_\_\_

ALL METERS SUBMERGED: Probe 3 \_\_\_\_\_ Probe 2 \_\_\_\_\_ Probe 1 \_\_\_\_\_

U HAVE SEEN THE TAPE ADVANCE, PLEASE NOTE TIME AND DATE (SPELL MONTH): \_\_\_\_\_

KS (PROBLEMS WITH EQUIPMENT, ETC.): \_\_\_\_\_



## SAN PABLO - CHIPPS ISLAND

IAL H

## DATA LOGGER CHECK SHEET

NAME (spell out) Port Chicago \* STATION NUMBER\* 4F. CALENDAR DATE: MONTH (spell out) February \* DAY 14 \* YEAR 1980F. ARRIVAL TIME 1225 DEPARTURE TIME \_\_\_\_\_

ave blank)

ACCOMPLISHED ON THIS STATION VISIT: change batteries, check meter  
loadings, change tape

## INTERROGATION VALUES

current was actual, 115°

	MTR#	+ID	V <sub>x</sub>	V <sub>y</sub>	DIR	R	θ	-ID/DP	C	T	TURB
DP		.3	+85	+1.4	700			-1.3	8.26	15.5	12
ID		1.4	+4	+78	300	.87	2785	-1.4	8.4	10.5	9.1
YT		1.6	-34	+02	250	.34	70	32.99	8.35	10.2	8.3

1005.53

BATTERY	BM TO DPTH	BM TO WL	DPTH	DK DPTH	CALC SALT
11.0 - 11.5					
11.5 - 12.5	1228	1044 69	1077 1159		7012 5.71 BUT 6.63

INTERROGATION TIME 1244

METERS OUT OF WATER: Probe 1 \_\_\_\_\_ Probe 2 \_\_\_\_\_ Probe 3 \_\_\_\_\_

OLD CASSETTE REMOVED \_\_\_\_\_

CASSETTE LABEL: \* CE   \*  ← write A or B  
Station Number (2 digits) Start Month (2 digits)W TAPE IN CORRECTLY? ☒ ☐ DID YOU WRITE THE CORRECT INFORMATION ON THE CASSETTE  
AND DID YOU CLOSE THE LATCH? ☐

RECORDER RESET \_\_\_\_\_

ALL METERS SUBMERGED: Probe 3 \_\_\_\_\_ Probe 2 \_\_\_\_\_ Probe 1 \_\_\_\_\_

U HAVE SEEN THE TAPE ADVANCE, PLEASE NOTE TIME AND DATE (SPELL MONTH): \_\_\_\_\_

KS (PROBLEMS WITH EQUIPMENT, ETC.): \_\_\_\_\_



## CORPS OF ENGINEERS PROJECT DACW07-78-C-0049

## SAN PABLO - CHIPPS ISLAND

L 1 DATA LOGGER CHECK SHEET" (spell out) CHIPPS \* STATION NUMBER\* 5

CALENDAR DATE: MONTH (spell out) \_\_\_\_\_ \* DAY \_\_\_\_\_ \* YEAR \_\_\_\_\_

ARRIVAL TIME 1310 DEPARTURE TIME 1345

= blank)

ACCOMPLISHED ON THIS STATION VISIT: change batteries & tape.

## INTERROGATION VALUES

MTR#	+ID	V <sub>x</sub>	V <sub>y</sub>	DIR	R	θ	-ID/DP	C	T	TURB
	1.8	-0.2	-0.1	89			-1.8	1.3	10.2	10.0
	.8	-0.1	+0.01	283			-0.8	3.9	9.9	.7
	1.2	+0.09	+0.07	1.6			26.05	4.1	9.9	9.9

7949

BM TO DPTH	BM TO WL	DPTH	DK DPTH	CALC SALT
914	141	773		.89
-12.0				3.12

GATION TIME 1331

TERS OUT OF WATER: Probe 1 \_\_\_\_\_ Probe 2 \_\_\_\_\_ Probe 3 \_\_\_\_\_

D CASSETTE REMOVED 1325
 CASSETTE LABEL: CE 05 14 7 ← write A or B  
                             Station Number    Start Month  
                             (2 digits)        (2 digits)

 TAPE IN CORRECTLY? ☒ DID YOU WRITE THE CORRECT INFORMATION ON THE CASSETTE  
 AND DID YOU CLOSE THE LATCH? ☐
ORDER RESET 1330

METERS SUBMERGED: Probe 3 \_\_\_\_\_ Probe 2 \_\_\_\_\_ Probe 1 \_\_\_\_\_

HAVE SEEN THE TAPE ADVANCE, PLEASE NOTE TIME AND DATE (SPELL MONTH):

1330 5/1/82

(PROBLEMS WITH EQUIPMENT, ETC.):



## SAN PABLO - CHIPPS ISLAND

AL

## DATA LOGGER CHECK SHEET

1 (spell out) GRIZZLY OPY \* STATION NUMBER\* 6  
 . CALENDAR DATE: MONTH (spell out) FEB \* DAY 14 \* YEAR 1979 \*  
 . ARRIVAL TIME 1415 DEPARTURE TIME 1440

ve blank)

ACCOMPLISHED ON THIS STATION VISIT:

Tide Gauge, Battery Charge

## INTERROGATION VALUES

MTR#	+ID	V <sub>x</sub>	V <sub>y</sub>	DIR	R	θ	-ID/DP	C	T	TURB
	1.3						-1.3	3.2	10.1	24.3

BATTERY	BM TO DPTH	BM TO WL	DPTH	DK DPTH	CALC SALT
-					
ERY					
91 - 12.2					

OGATION TIME

1435

METERS OUT OF WATER: Probe 1 \_\_\_\_\_ Probe 2 \_\_\_\_\_ Probe 3 \_\_\_\_\_

OLD CASSETTE REMOVED

1425

CASSETTE LABEL:

CE

1614

← write A or B

Station Number Start Month  
 (2 digits) (2 digits)

TAPE IN CORRECTLY?



DID YOU WRITE THE CORRECT INFORMATION ON THE CASSETTE  
 AND DID YOU CLOSE THE LATCH? ☒

RECORDER RESET

1430

LL METERS SUBMERGED: Probe 3 \_\_\_\_\_ Probe 2 \_\_\_\_\_ Probe 1 \_\_\_\_\_

HAVE SEEN THE TAPE ADVANCE, PLEASE NOTE TIME AND DATE (SPELL MONTH):

1430 FEB

S (PROBLEMS WITH EQUIPMENT, ETC.):



## SAN PABLO - CHIPPS ISLAND

## DATA LOGGER CHECK SHEET

STATION (spell out) FT Canquinez Straights \* STATION NUMBER\* 2  
 RECORD DATE: MONTH (spell out) February \* DAY 26 \* YEAR 1980  
 ARRIVAL TIME 1240 DEPARTURE TIME 1650

blank)

ACCOMPLISHED ON THIS STATION VISIT:

Changed tape & Batteries & Zincs  
Removed #1 Probe #2 (SN 6271008) for faulty current sensor  
Replaced w/ (SN 6271012) Readjusted TR for #3 probe Replaced  
 INTERROGATION VALUES TR CORR for #1 probe

MTRV	+ID	V <sub>x</sub>	V <sub>y</sub>	DIR	R	θ	-ID/DP	C	T	TURB
	2	+ .5	-.23	204			-1.96	.13	11.50	0.1
	1.7	-.07	+.45	325			-1.65	.14	11.64	-0.00
	1.0	-.03	-.16	+47			26.74	.14	11.23	-1.1

BATTERY	BM TO DPTH	BM TO WL	DPTH	DK DPTH	CALC SALT
2 - 11.8					
2.5		1' 0"	37' 10"		top bot

ATION TIME 1610  
 Meters OUT OF WATER: Probe 1 \_\_\_\_\_ Probe 2 \_\_\_\_\_ Probe 3 \_\_\_\_\_  
 CASSETTE REMOVED 400

CASSETTE LABEL: ☒ CE 52 14 ☒ B ← write A or B  
 Station Number (2 digits) Start Month (2 digits)

TAPE IN CORRECTLY? ☒ DID YOU WRITE THE CORRECT INFORMATION ON THE CASSETTE AND DID YOU CLOSE THE LATCH? ☒

KEEP RESET 1430

METERS SUBMERGED: Probe 3 \_\_\_\_\_ Probe 2 \_\_\_\_\_ Probe 1 \_\_\_\_\_

WE'VE SEEN THE TAPE ADVANCE, PLEASE NOTE TIME AND DATE (SPELL MONTH):

1430 11:25 26 Feb 1980

PROBLEMS WITH EQUIPMENT, ETC.):

Probe Down 1245  
Probe up 1630

LOADING: \_\_\_\_\_ TIME OBSERVED: \_\_\_\_\_



SAN PABLO - CHIPPS ISLAND

DATA LOGGER CHECK SHEET

AL SP

ON (spell out) Benicia

\* STATION NUMBER\* 3

LENDAR DATE: MONTH (spell out) February \* DAY 27 \* YEAR 1980

ARRIVAL TIME 1210 DEPARTURE TIME 1420

(leave blank)

ACCOMPLISHED ON THIS STATION VISIT: TAPE CHANGE & Battery change

change Probe # SN 6271001 to SN 6271015 because  
2 Conductivity & current speed  
look bad

INTERROGATION VALUES

MTR#	+ID	V <sub>x</sub>	V <sub>y</sub>	DIR	R	θ	-ID/DP	C	T	TURB
#1	1.5	40.85	40.55	145				0.13	11.59	153
#2	1.1	-0.72	15.78	75				0.13	11.67	1.0
#3	0.3	-0.12	-0.70	345			31.82	0.13	11.24	25.3

ATTERY	BM TO DPTH	BM TO WL	DPTH	DK DPTH	CALC SALT
- 11.9					
ATTERY					
- 12.9		151cm	35' 2"		top
					bot

OGATION TIME 1410

ETERS OUT OF WATER: Probe 1 1240 Probe 2 1315 Probe 3 1315

LD CASSETTE REMOVED 1215

ASSETTE LABEL: ☒ CE 03 14 ☒ B ← write A or B  
Station Number (2 digits) Start Month (2 digits)

TAPE IN CORRECTLY? ☒ DID YOU WRITE THE CORRECT INFORMATION ON THE CASSETTE AND DID YOU CLOSE THE LATCH? ☐

ECORDER RESET 1400

LL METERS SUBMERGED: Probe 3 — Probe 2 1350 Probe 1 1355

HAVE SEEN THE TAPE ADVANCE, PLEASE NOTE TIME AND DATE (SPELL MONTH):

1400 SPR 27 Feb 80

PROBLEMS WITH EQUIPMENT, ETC.): Power Down: 1215

PRT=1345 RC = 2967 MC = 6475  
Reset RC = 6480 MC = 6455 PRT = 1357

READING: RC = 6486 MC = 6454 TIME OBSERVED: 1400



## SAN PABLO - CHIPPS ISLAND

## DATA LOGGER CHECK SHEET

L SP  
 N (spell out) Port Chicago \* STATION NUMBER\* 04  
 LENDAR DATE: MONTH (spell out) February \* DAY 27 \* YEAR 1980  
 ARRIVAL TIME 1035 DEPARTURE TIME 1150

e blank)

ACCOMPLISHED ON THIS STATION VISIT: Tape & Battery change  
change probe #1 (BAD COMPASS) SN# 6271003 to SN 6271017  
check Recorder - probe wiring  
 INTERROGATION VALUES

MTR#	+ID	V <sub>x</sub>	V <sub>y</sub>	DIR	R	θ	-ID/DP	C	T	TURB

Recorder failed to INITIATE  
 OR TAPE ADVANCE  
 3A:AS

BATTERY	BM TO DPTH	BM TO WL	DPTH	DK DPTH	CALC SALT
-					
BATTERY					top
-					bot

OGATION TIME

ETERS OUT OF WATER: Probe 1 \_\_\_\_\_ Probe 2 \_\_\_\_\_ Probe 3 \_\_\_\_\_

LD CASSETTE REMOVED

ASSETTE LABEL: ☐ CE ☐ 04 ☐ 14 ☐ B ← write A or B  
 Station Number Start Month  
 (2 digits) (2 digits)

TAPE IN CORRECTLY? ☒ ☐DID YOU WRITE THE CORRECT INFORMATION ON THE CASSETTE  
AND DID YOU CLOSE THE LATCH? ☐

ECORDER RESET

Boyas.

WL METERS SUBMERGED: Probe 3 \_\_\_\_\_ Probe 2 \_\_\_\_\_ Probe 1 \_\_\_\_\_

HAVE SEEN THE TAPE ADVANCE, PLEASE NOTE TIME AND DATE (SPELL MONTH):

Recorder failed to initiate

7 (PROBLEMS WITH EQUIPMENT, ETC.):

DOWN AT 1015  
 Removed Batteries & Recorder for  
 Analysis S. R.

READING: \_\_\_\_\_ TIME OBSERVED: \_\_\_\_\_



## DATA LOGGER CHECK SHEET

ARRIVAL TIME 0915 DEPARTURE TIME 1010

ve blank)

ACCOMPLISHED ON THIS STATION VISIT:

ACCOMPLISHED ON THIS STATION VISIT: Tape & Battery change  
Id measurements on depth

MTR#	+ID	V <sub>x</sub>	V <sub>y</sub>	DIR	R	θ	-ID/DP	C	T	TURB
1	1.8	-0.07	+0.11	90				0.12	12.0	1.7
2	0.8	-0.08	+0.13	722				0.13	11.6	1.3
3	1.2	+0.10	+0.06	29			26.57	0.12	11.6	0.0

ATTERY					
- 11.9	BM TO DPTH	BM TO WL	DPTH	DK DPTH	CALC SALT
ATTERY					
- 11.9		146cm	24' 11" Dave		top bot

EXPIRATION TIME 0935

ETERS OUT OF WATER:	Probe 1	Probe 2	Probe 3
1	1	1	1
2	2	2	2
3	3	3	3
4	4	4	4
5	5	5	5
6	6	6	6
7	7	7	7
8	8	8	8
9	9	9	9
10	10	10	10
11	11	11	11
12	12	12	12
13	13	13	13
14	14	14	14
15	15	15	15
16	16	16	16
17	17	17	17
18	18	18	18
19	19	19	19
20	20	20	20
21	21	21	21
22	22	22	22
23	23	23	23
24	24	24	24
25	25	25	25
26	26	26	26
27	27	27	27
28	28	28	28
29	29	29	29
30	30	30	30
31	31	31	31
32	32	32	32
33	33	33	33
34	34	34	34
35	35	35	35
36	36	36	36
37	37	37	37
38	38	38	38
39	39	39	39
40	40	40	40
41	41	41	41
42	42	42	42
43	43	43	43
44	44	44	44
45	45	45	45
46	46	46	46
47	47	47	47
48	48	48	48
49	49	49	49
50	50	50	50
51	51	51	51
52	52	52	52
53	53	53	53
54	54	54	54
55	55	55	55
56	56	56	56
57	57	57	57
58	58	58	58
59	59	59	59
60	60	60	60
61	61	61	61
62	62	62	62
63	63	63	63
64	64	64	64
65	65	65	65
66	66	66	66
67	67	67	67
68	68	68	68
69	69	69	69
70	70	70	70
71	71	71	71
72	72	72	72
73	73	73	73
74	74	74	74
75	75	75	75
76	76	76	76
77	77	77	77
78	78	78	78
79	79	79	79
80	80	80	80
81	81	81	81
82	82	82	82
83	83	83	83
84	84	84	84
85	85	85	85
86	86	86	86
87	87	87	87
88	88	88	88
89	89	89	89
90	90	90	90
91	91	91	91
92	92	92	92
93	93	93	93
94	94	94	94
95	95	95	95
96	96	96	96
97	97	97	97
98	98	98	98
99	99	99	99
100	100	100	100

OLD CASSETTE REMOVED

SETTE LABEL: \* CE 05 14 \* B ← write A or B  
Station Number Start Month  
(2 digits) (2 digits)

TAPE IN CORRECTLY?   DID YOU WRITE THE CORRECT INFORMATION ON THE CASSETTE  
AND DID YOU CLOSE THE LATCH? 

ORDER RESET 1000

WATER METERS SUBMERGED:	Probe 3	Probe 2	Probe 1
1	0.00	0.00	0.00
2	0.00	0.00	0.00
3	0.00	0.00	0.00
4	0.00	0.00	0.00
5	0.00	0.00	0.00
6	0.00	0.00	0.00
7	0.00	0.00	0.00
8	0.00	0.00	0.00
9	0.00	0.00	0.00
10	0.00	0.00	0.00
11	0.00	0.00	0.00
12	0.00	0.00	0.00
13	0.00	0.00	0.00
14	0.00	0.00	0.00
15	0.00	0.00	0.00
16	0.00	0.00	0.00
17	0.00	0.00	0.00
18	0.00	0.00	0.00
19	0.00	0.00	0.00
20	0.00	0.00	0.00
21	0.00	0.00	0.00
22	0.00	0.00	0.00
23	0.00	0.00	0.00
24	0.00	0.00	0.00
25	0.00	0.00	0.00
26	0.00	0.00	0.00
27	0.00	0.00	0.00
28	0.00	0.00	0.00
29	0.00	0.00	0.00
30	0.00	0.00	0.00
31	0.00	0.00	0.00
32	0.00	0.00	0.00
33	0.00	0.00	0.00
34	0.00	0.00	0.00
35	0.00	0.00	0.00
36	0.00	0.00	0.00
37	0.00	0.00	0.00
38	0.00	0.00	0.00
39	0.00	0.00	0.00
40	0.00	0.00	0.00
41	0.00	0.00	0.00
42	0.00	0.00	0.00
43	0.00	0.00	0.00
44	0.00	0.00	0.00
45	0.00	0.00	0.00
46	0.00	0.00	0.00
47	0.00	0.00	0.00
48	0.00	0.00	0.00
49	0.00	0.00	0.00
50	0.00	0.00	0.00
51	0.00	0.00	0.00
52	0.00	0.00	0.00
53	0.00	0.00	0.00
54	0.00	0.00	0.00
55	0.00	0.00	0.00
56	0.00	0.00	0.00
57	0.00	0.00	0.00
58	0.00	0.00	0.00
59	0.00	0.00	0.00
60	0.00	0.00	0.00
61	0.00	0.00	0.00
62	0.00	0.00	0.00
63	0.00	0.00	0.00
64	0.00	0.00	0.00
65	0.00	0.00	0.00
66	0.00	0.00	0.00
67	0.00	0.00	0.00
68	0.00	0.00	0.00
69	0.00	0.00	0.00
70	0.00	0.00	0.00
71	0.00	0.00	0.00
72	0.00	0.00	0.00
73	0.00	0.00	0.00
74	0.00	0.00	0.00
75	0.00	0.00	0.00
76	0.00	0.00	0.00
77	0.00	0.00	0.00
78	0.00	0.00	0.00
79	0.00	0.00	0.00
80	0.00	0.00	0.00
81	0.00	0.00	0.00
82	0.00	0.00	0.00
83	0.00	0.00	0.00
84	0.00	0.00	0.00
85	0.00	0.00	0.00
86	0.00	0.00	0.00
87	0.00	0.00	0.00
88	0.00	0.00	0.00
89	0.00	0.00	0.00
90	0.00	0.00	0.00

HAVE SEEN THE TAPE ADVANCE, PLEASE NOTE TIME AND DATE (SPELL MONTH):

(PROBLEMS WITH EQUIPMENT, ETC.):

PRST 1000

PC = 6736

NC = 6416

BAD COMPLETS  
CON # 2

LOADING: 646 TIME OBSERVED: 1504

TIME OBSERVED: 1904



SAN PABLO - CHIPPS ISLAND

AL SP

DATA LOGGER CHECK SHEET

ON (spell out) Grizzly Bay \* STATION NUMBER\* 6  
 ALNDAR DATE: MONTH (spell out) February \* DAY 27 \* YEAR 80  
 ARRIVAL TIME 1450 DEPARTURE TIME 1515

(leave blank)

ACCOMPLISHED ON THIS STATION VISIT: Change Batteries } TAPE

INTERROGATION VALUES

	MTR#	+ID	V <sub>x</sub>	V <sub>y</sub>	DIR	R	θ	-ID/DP	C	T	TURB
P	#1	+1.3	—	—	—	—	—	-1.3	0.11	11.77	9.3
D											
T											

BATTERY	BM TO DPTH	BM TO WL	DPTH	DK DPTH	CALC SALT
ATTERY					
9 - 11.7					top bot

ROGATION TIME 1510

METERS OUT OF WATER: Probe 1 1455 Probe 2            Probe 3           

LD CASSETTE REMOVED 1455

CASSETTE LABEL: ☒ CE ☐ 06 ☐ 14 ☐ B ← write A or B  
 Station Number (2 digits) Start Month (2 digits)

TAPE IN CORRECTLY? ☒ DID YOU WRITE THE CORRECT INFORMATION ON THE CASSETTE AND DID YOU CLOSE THE LATCH? ☒

ECORDER RESET 1500

LL METERS SUBMERGED: Probe 1            Probe 2            Probe 3           

HAVE SEEN THE TAPE ADVANCE, PLEASE NOTE TIME AND DATE (SPELL MONTH):

1500 S. Pac 27 Feb '80

S (PROBLEMS WITH EQUIPMENT, ETC.):

RC = 6492 MC = 6480 PHT 1500

READING: 6492 = RC TIME OBSERVED: 1500



## SAN PABLO - CHIPPS ISLAND

## DATA LOGGER CHECK SHEET

(spell out) CARQUINEZ \* STATION NUMBER 2CALENDAR DATE: MONTH (spell out) MARCH \* DAY 12 \* YEAR 1980ARRIVAL TIME 0415 DEPARTURE TIME 0950

(blank)

COMPLETED ON THIS STATION VISIT: FLY BY - RESET CARQUINEZ  
CLOCK - RESET MASTER CLOCK - 130TH RESET @ 0930 PST

## INTERROGATION VALUES

MTR#	+ID	V <sub>x</sub>	V <sub>y</sub>	DIR	R	θ	-ID/DP	C	T	TURB
	.2	.01	-.03	200	---	---	-.2	1.75	12.26	2.5
	1.7	-.18	-.05	317	---	---	-1.7	2.31	12.44	2.2
	1.0	-0.01	-0.01	048	---	---	31.35	4.80	12.16	2.8
							955			

MTR#	BM TO DPTH	BM TO WL	DPTH	DK DPTH	CALC SALT
-12.1					
RY	= 955 cm		1123 cm		top
-12.5	31.35 FT	168 cm	155 cm		bot

STATION TIME 0935

METERS OUT OF WATER: Probe 1 \_\_\_\_\_ Probe 2 \_\_\_\_\_ Probe 3 \_\_\_\_\_

CASSETTE REMOVED ~0925CASSETTE LABEL: \* CE 02 15 \* a ← write A or B  
Station Number (2 digits) Start Month (2 digits)TAPED IN CORRECTLY? ☒ DID YOU WRITE THE CORRECT INFORMATION ON THE CASSETTE AND DID YOU CLOSE THE LATCH? ☒ORDER RESET 0930

METERS SUBMERGED: Probe 3 \_\_\_\_\_ Probe 2 \_\_\_\_\_ Probe 1 \_\_\_\_\_

HAVE SEEN THE TAPE ADVANCE, PLEASE NOTE TIME AND DATE (SPELL MONTH): \_\_\_\_\_

it will advance - seen advance 0930(PROBLEMS WITH EQUIPMENT, ETC.): POWERED DOWN @ 0920 12.1 - 12.1Carquinez Clock 120324 @ 0929:30 RECORD? CLK RESET @ 0930Master Clock 120615 - MASTER CLOCK RESET @ 0931 PSTENDING: 0014 - 0930 TIME OBSERVED: 0930 PST



SAN PABLO - CHIPPS ISLAND

## DATA LOGGER CHECK SHEET

L C12 N (spell out) BENICIA \* STATION NUMBER\* 3CALENDAR DATE: MONTH (spell out) MARCH \* DAY WED 12 \* YEAR 1988ARRIVAL TIME 1015 DEPARTURE TIME 1125

= blank)

ACCOMPLISHED ON THIS STATION VISIT: RESET CLOCK @ 1100, "FLY BY ONLY"  
CHECK DEPTH SENSOR W. BLUE BOX (SEE BACK PAGE)

## NOTE

## INTERROGATION VALUES

MTR#	+ID	V <sub>x</sub>	V <sub>y</sub>	DIR	R	θ	-ID/DE	C	T	TURB
	1.5	0.13	.25	150	.28	213	.5	.15	12.10	15.4
	1.1	-.26	+.1	56	.27	214	2.1	.15	12.20	9.8
	.4	-.13	-.12	83	.17	225	32.17	.15	11.76	.8

POWER DOWN AT 1020

ATTERY @ 1025	BM TO DPTH	BM TO WL	DPTH	DK DPTH	CALC SA
- 12.4					
RY	1189.5	209 cm	980.5		top
- 12.7					bot

STATION TIME 1105METERS OUT OF WATER: Probe 1                      Probe 2                      Probe 3                     CASSETTE REMOVED 1025CASSETTE LABEL: CE 03 15 a ← write A or B  
Station Number (2 digits) Start Month (2 digits)TAPE IN CORRECTLY? ☒ ☐DID YOU WRITE THE CORRECT INFORMATION ON THE CASSETTE AND DID YOU CLOSE THE LATCH? ☒ORDER RESET 1100METERS SUBMERGED: Probe 3                      Probe 2                      Probe 1                     HAVE SEEN THE TAPE ADVANCE, PLEASE NOTE TIME AND DATE (SPELL MONTH):                     1100(PROBLEMS WITH EQUIPMENT, ETC.): SEE BACK FOR DEPTH SENSOR NUMBERCLOCK READING BEFORE RESET 2652 @ 1052RESET CLOCK VALUE 0013 @ 110015TMASTER CLOCK READS 0001READING: 0013 TIME OBSERVED: 110015T



# Depth Check

St. 3

Depth @ 1026

MK TO WL = 169 cm

32.61 & 32.62

↳ = 994 cm

MK TO DEPTH = 1161 cm

note 1026

1161 cm @ 1026 PST

1189 cm @ 1105 PST

28 cm difference!



L                  CH

\* STATION NUMBER\* 4

LENDAR DATE: MONTH (spell out) MARCH

ARRIVAL TIME 1155

ACCOMPLISHED ON THIS STATION VISIT: INSTALL RECORDER, RESET  
RECORDER CLOCK

- Top 2 one only is correct

## POWER DOWN AND BATTERIES

## BATTERY

TERS OUT OF WATER: Probe 1 Probe 2 Probe 3

SETTE LABEL: \* 

CE	04	15
----	----	----

 . 

a
---

 ← write A or B

Station Number      Start Month

(2 digits)            (2 digits)

TAPE IN CORRECTLY? ☐

DID YOU WRITE THE CORRECT INFORMATION ON THE CASSETTE  
AND DID YOU CLOSE THE LATCH? ☐

ORDER RESET 1230 PST

METERS SUBMERGED: Probe 3 Probe 2 Probe 1

HAVE SEEN THE TAPE ADVANCE, PLEASE NOTE TIME AND DATE (SPELL MONTH):

yes 1230

♦ (PROBLEMS WITH EQUIPMENT, ETC.):

old clock was 2078 @ 1229

musty dock 0026 @ 1231:15

NOTE (a) 1230 EBB going strongly. Sea moderate.

LOADING: 0013 TIME OBSERVED: 1232:45



St. 4

Blue box depth @ 1220

Depth @ 1220

Depth  $\rightarrow$  = 1036.32  
34.00 @

144 cm

Level is falling at this point

$$1036.32 + 144 = 1180.32$$



SAN PABLO - CHIPPS ISLAND

IAL CR

## DATA LOGGER CHECK SHEET

ION (spell out) CHIPPS\* STATION NUMBER\* 5CALENDAR DATE: MONTH (spell out) MARCH\* DAY 12\* YEAR 1980ARRIVAL TIME 1400DEPARTURE TIME 1520

ave blank)

ACCOMPLISHED ON THIS STATION VISIT: RESET RECORDER CLOCK,Change Tape

## INTERROGATION VALUES

Interrogation current

MTR#	+ID	V <sub>x</sub>	V <sub>y</sub>	DIR	R	θ	-ID/DP	C	T	TURB
P	1.8	+ .3	+ .2	220	.36	253	-1.8	.14	12.16	1.0
D	.8	+ .08	- .3	91		15??	- .8	.14	11.14	1.4
A	1.2	+ .1	+ .3	2		73?	23.98	.14	11.71	06

POWER DOWN @ 1435730.9

BATTERY	BM TO DPTH	BM TO WL	DPTH	DK DPTH	CALC SALT
0 - 11.8					
BATTERY	This was done in tide & arrived.				top
1 - 12.6	984.9	254 cm	730.9		bot

ROGATION TIME 1525

METERS OUT OF WATER: Probe 1 \_\_\_\_\_ Probe 2 \_\_\_\_\_ Probe 3 \_\_\_\_\_

OLD CASSETTE REMOVED 1435
 CASSETTE LABEL: \* CE 05 15 \* A (← write A or B)  
 Station Number (2 digits) Start Month (2 digits)
TAPE IN CORRECTLY? ☒ ☐DID YOU WRITE THE CORRECT INFORMATION ON THE CASSETTE AND DID YOU CLOSE THE LATCH? ☐RECORDER RESET 1500

ALL METERS SUBMERGED: Probe 3 \_\_\_\_\_ Probe 2 \_\_\_\_\_ Probe 1 \_\_\_\_\_

HAVE SEEN THE TAPE ADVANCE, PLEASE NOTE TIME AND DATE (SPELL MONTH): \_\_\_\_\_

1501

(PROBLEMS WITH EQUIPMENT, ETC.):

Beir: Look next Beir: Clock reads 2677 @1452  
+450Main Clock 0054 @ 1501READING: 0015TIME OBSERVED: 1500 30



St. J

Depth @ 14 35

24.34 FT  
= 741.9 cm

BM TO WL  
242 cm

A bit windy w. Ebb running hard -

$$742 + 242 = \textcircled{984}$$



IAL *Ch.*

ION (spell out) CRIZZY BAY \* STATION NUMBER\* 6

CALENDAR DATE: MONTH (spell out) MARCH \* DAY 12 \* YEAR 1980

F. ARRIVAL TIME 1550 DEPARTURE TIME 1610

3 ACCOMPLISHED ON THIS STATION VISIT: *RESET RECORDING CLUCK*

[illegible]

POWER DOWN @ 1555

BATTERY	BM TO DPTH	BM TO WL	DPTH	DK DPTH	CALC SALT
BATTERY					top
4 - 12.4					bot

ROGATION TIME 21605

METERS OUT OF WATER: Probe 1 Probe 2 Probe 3

OLD CASSETTE REMOVED 1555

ASSETTE LABEL: \* 




CE	06	15
----	----	----

 . 

A
---

 ← write A or B

Station Number      Start Month  
(2 digits)              (2 digits)

TAPE IN CORRECTLY?   DID YOU WRITE THE CORRECT INFORMATION ON THE CASSETTE  
AND DID YOU CLOSE THE LATCH? 

ECORDER RESET 16 00

ALL METERS SUBMERGED: Probe 3      Probe 2      Probe 1

HAVE SEEN THE TAPE ADVANCE, PLEASE NOTE TIME AND DATE (SPELL MONTH): \_\_\_\_\_

11:00

5 (PROBLEMS WITH EQUIPMENT, ETC.):

RECORDED CLOCK BEFORE RESET 2682 @ 1601  
RESET AT 1602  
MISTAKE CLOCK 0064 @ 1603

READING: 0012 TIME OBSERVED: 16 02.30







READING: \_\_\_\_\_ TIME OBSERVED: \_\_\_\_\_



## SAN PABLO - CHIPPS ISLAND

## DATA LOGGER CHECK SHEET

ON (spell out) San Pablo \* STATION NUMBER \* 3  
 . CALENDAR DATE: MONTH (spell out) March \* DAY 25 \* YEAR 1980  
 . ARRIVAL TIME 1117 DEPARTURE TIME 1205

ve blank)

ACCOMPLISHED ON THIS STATION VISIT:

TABLE Battery Change

## INTERROGATION VALUES

MTR#	+ID	V <sub>x</sub>	V <sub>y</sub>	DIR	R	θ	-ID/DP	C	T	TURB
1										
2										
3										
4										
5										
6										
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 100-ice Box FRIED

BATTERY	BM TO DPTH	BM TO WL	DPTH	DK DPTH	CALC SALT
-					
ERY					top
-					bot

OGATION TIME

ETERS OUT OF WATER: Probe 1 \_\_\_\_\_ Probe 2 \_\_\_\_\_ Probe 3 \_\_\_\_\_  
 LD CASSETTE REMOVED 1125

ASSETTE LABEL: .CE 03 15 15 (← write A or B)  
 Station Number (2 digits) Start Month (2 digits)

TAPE IN CORRECTLY? ☒ DID YOU WRITE THE CORRECT INFORMATION ON THE CASSETTE  
 AND DID YOU CLOSE THE LATCH? ☐

ECORDER RESET Reset 1200

LL METERS SUBMERGED: Probe 3 \_\_\_\_\_ Probe 2 \_\_\_\_\_ Probe 1 \_\_\_\_\_

HAVE SEEN THE TAPE ADVANCE, PLEASE NOTE TIME AND DATE (SPELL MONTH): \_\_\_\_\_

5 (PROBLEMS WITH EQUIPMENT, ETC.):

Probe 1 out of water  
1125-1130 because of BAD Battery  
NOT

READING:

TIME OBSERVED



## SAN PABLO - CHIPPS ISLAND

## DATA LOGGER CHECK SHEET

NAME (spell out) St. Chicago \* STATION NUMBER\* 4  
 LENDAR DATE: MONTH (spell out) March \* DAY 25 \* YEAR 1980  
 ARRIVAL TIME 1235 DEPARTURE TIME 1305

(blank)

ACCOMPLISHED ON THIS STATION VISIT: Battery & tape change

## INTERROGATION VALUES

MTR#	+ID	V <sub>x</sub>	V <sub>y</sub>	DIR	R	θ	-ID/DP	C	T	TURB
				Blue Box	D <sup>2</sup> ED					

BATTERY	BM TO DPTH	BM TO WL	DPTH	DK DPTH	CALC SALT
					top
					bot

STATION TIME

PROBES OUT OF WATER: Probe 1 \_\_\_\_\_ Probe 2 \_\_\_\_\_ Probe 3 \_\_\_\_\_

CASSETTE REMOVED 1240

CASSETTE LABEL: CE AS 15 ← write A or B  
 Station Number (2 digits) Start Month (2 digits)

TAPE IN CORRECTLY? ☒ DID YOU WRITE THE CORRECT INFORMATION ON THE CASSETTE AND DID YOU CLOSE THE LATCH? ☒

ORDER RESET 1240

METERS SUBMERGED: Probe 3 \_\_\_\_\_ Probe 2 \_\_\_\_\_ Probe 1 \_\_\_\_\_

HAVE SEEN THE TAPE ADVANCE, PLEASE NOTE TIME AND DATE (SPELL MONTH): \_\_\_\_\_

PROBLEMS WITH EQUIPMENT, ETC.):

REMARKS: Blue Box 1240  
 DING: \_\_\_\_\_ TIME OBSERVED: \_\_\_\_\_



## SAN PABLO - CHIPPS ISLAND

IAL

SP

## DATA LOGGER CHECK SHEET

ION (spell out)

Chipp's Island

\* STATION NUMBER\*

5

F. CALENDAR DATE: MONTH (spell out)

March

\* DAY

25

\* YEAR

1980

F. ARRIVAL TIME

1323

DEPARTURE TIME

1405

ave blank)

S ACCOMPLISHED ON THIS STATION VISIT:

TAPE &amp; Battery change

## INTERROGATION VALUES

	MTR#	+ID	V <sub>x</sub>	V <sub>y</sub>	DIR	R	θ	-ID/DP	C	T	TURB
OP											
D					Blue Box	0W.0V		compression			
T											

BATTERY	BM TO DPTH	BM TO WL	DPTH	DK DPTH	CALC SALT
-					
TERY					top
-					bot

ROGATION TIME

METERS OUT OF WATER: Probe 1

Probe 2

Probe 3

OLD CASSETTE REMOVED

1335

CASSETTE LABEL:

CE

05

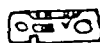
18

Station Number (2 digits)

Start Month (2 digits)

← write A or B

TAPE IN CORRECTLY?



DID YOU WRITE THE CORRECT INFORMATION ON THE CASSETTE AND DID YOU CLOSE THE LATCH?



RECORDER RESET

1400

ALL METERS SUBMERGED: Probe 3

Probe 2

Probe 1

I HAVE SEEN THE TAPE ADVANCE, PLEASE NOTE TIME AND DATE (SPELL MONTH):

S (PROBLEMS WITH EQUIPMENT, ETC.):

Power Down: 1331

READING:

TIME OBSERVED:



## SAN PABLO - CHIPPS ISLAND

AL

## DATA LOGGER CHECK SHEET

ON (spell out)

Gringley Bay

\* STATION NUMBER\*

6

CALENDAR DATE: MONTH (spell out)

March

\* DAY

25

\* YEAR

80

ARRIVAL TIME

0918

DEPARTURE TIME

0935

ve blank)

ACCOMPLISHED ON THIS STATION VISIT:

Blue fox check, change  
batteries + tape

## INTERROGATION VALUES

MTR#	+ID	V <sub>x</sub>	V <sub>y</sub>	DIR	R	θ	-ID/DP	C	T	TURB
	1.3							1.7	12.1	24.4

ATTERY

BM TO DPTH

BM TO WL

DPTH

DK DPTH

CALC SALT

ERY

1-10.2top  
bot

OGATION TIME

0935

STERS OUT OF WATER: Probe 1

Probe 2

Probe 3

D CASSETTE REMOVED

0930

CASSETTE LABEL:

CE

Station Number  
(2 digits)Start Month  
(2 digits)

← write A or B

TAPE IN CORRECTLY?

DID YOU WRITE THE CORRECT INFORMATION ON THE CASSETTE  
AND DID YOU CLOSE THE LATCH?

CORDER RESET

0930

L METERS SUBMERGED: Probe 3

Probe 2

Probe 1

HAVE SEEN THE TAPE ADVANCE, PLEASE NOTE TIME AND DATE (SPELL MONTH):

0930 SPR 25 MAR 1980

(PROBLEMS WITH EQUIPMENT, ETC.):

EADING:

TIME OBSERVED:



## SAN PABLO - CHIPPS ISLAND

AL HT

## DATA LOGGER CHECK SHEET

ON (spell out) San Pablo \* STATION NUMBER\* 1  
 . CALENDAR DATE: MONTH (spell out) April \* DAY 10 \* YEAR 80  
 . ARRIVAL TIME 0853 DEPARTURE TIME 0920

ve blank)

ACCOMPLISHED ON THIS STATION VISIT:

TABE Battery Change

## INTERROGATION VALUES

MTR#	+ID	V <sub>x</sub>	V <sub>y</sub>	DIR	R	θ	-ID/DP	C	T	TURB
	1.5	+ .5	- .2	112			-1.5	26.05	12.27	74
	.1	+ .2	+ .5	0			- .1	28.87	11.90	2.3
	1	+ .2	- .002	60			37.88	30.32	11.72	42.8

BATTERY	BM TO DPTH	BM TO WL	DPTH	DK DPTH	CALC SALT
VERY					top
.5-12.5		232			bot

OGATION TIME 0907

METERS OUT OF WATER: Probe 1 \_\_\_\_\_ Probe 2 \_\_\_\_\_ Probe 3 \_\_\_\_\_

OLD CASSETTE REMOVED \_\_\_\_\_

ASSETTE LABEL: CE 01 16 16 ← write A or B  
 Station Number (2 digits) Start Month (2 digits)

TAPE IN CORRECTLY? ☒DID YOU WRITE THE CORRECT INFORMATION ON THE CASSETTE AND DID YOU CLOSE THE LATCH? ☒ECORDER RESET 0900

LL METERS SUBMERGED: Probe 3 \_\_\_\_\_ Probe 2 \_\_\_\_\_ Probe 1 \_\_\_\_\_

HAVE SEEN THE TAPE ADVANCE, PLEASE NOTE TIME AND DATE (SPELL/MONTH):

0900 SPace 10 April 80

S (PROBLEMS WITH EQUIPMENT, ETC.):

inter-battery connector may have been loose  
 recorder # 6330229

READING: \_\_\_\_\_ TIME OBSERVED: \_\_\_\_\_



## SAN PABLO - CHIPPS ISLAND

L 17

## DATA LOGGER CHECK SHEET

N (spell out) Carguer \* STATION NUMBER\* 2CALENDAR DATE: MONTH (spell out) April \* DAY 10 \* YEAR 80ARRIVAL TIME 0954 DEPARTURE TIME 1012

e blank)

ACCOMPLISHED ON THIS STATION VISIT: change tape + batteries, ground  
with blue box check

## INTERROGATION VALUES

MTR#	+ID	V <sub>x</sub>	V <sub>y</sub>	DIR	R	θ	-ID/DP	C	T	TURB
	+0.2	+0.14	+0.2	184			-0.2	14.78	13.42	16.2
	+1.7	+0.1	-0.1	300			-1.7	15.8	13.53	1.4
	+1	-0.18	-0.18	40			30.37	16.70	12.92	13

BATTERY	BM TO DPTH	BM TO WL	DPTH	DK DPTH	CALC SALT
5 - 11.9					
EPY					top
5 - 12.2		209cm			bot

IGATION TIME

TERS OUT OF WATER: Probe 1 \_\_\_\_\_ Probe 2 \_\_\_\_\_ Probe 3 \_\_\_\_\_

D CASSETTE REMOVED 0956
 CASSETTE LABEL: CE 02 16 \* A ← write A or B  
 Station Number Start Month  
 (2 digits) (2 digits)

 TAPE IN CORRECTLY? ☒ DID YOU WRITE THE CORRECT INFORMATION ON THE CASSETTE  
 AND DID YOU CLOSE THE LATCH? ☒
CORDER RESET 1002

L METERS SUBMERGED: Probe 3 \_\_\_\_\_ Probe 2 \_\_\_\_\_ Probe 1 \_\_\_\_\_

HAVE SEEN THE TAPE ADVANCE, PLEASE NOTE TIME AND DATE (SPELL MONTH):

1002 Space 10 April '80

(PROBLEMS WITH EQUIPMENT, ETC.):

Recorder # 633-0226

EADING: \_\_\_\_\_ TIME OBSERVED: \_\_\_\_\_



## SAN PABLO - CHIPPS ISLAND

AL HT

## DATA LOGGER CHECK SHEET

ON (spell out) Benicia Martinez \* STATION NUMBER\* 3CALENDAR DATE: MONTH (spell out) April \* DAY 10 \* YEAR 80ARRIVAL TIME 1035 DEPARTURE TIME 1114

ve blank)

ACCOMPLISHED ON THIS STATION VISIT:

TAPE & Battery Change

## INTERROGATION VALUES

MTR#	+ID	V <sub>x</sub>	V <sub>y</sub>	DIR	R	θ	-ID/DP	C	T	TURB
	+0.3	-0.7	+0.4	84			-0.3	10.19	19.02	10.8
	+0.5	-0.08	-0.04	70			-0.5	14.31	13.54	9.8
	+0.2	-0.4	-0.3	360			31.14	16.97	13.01	15.9

BATTERY	BM TO DPTH	BM TO WL	DPTH	DK DPTH	CALC SALT
-					
ERY					top
2-12.4		252			bot

OGATION TIME

1107

ETERS OUT OF WATER: Probe 1 \_\_\_\_\_ Probe 2 \_\_\_\_\_ Probe 3 \_\_\_\_\_

LD CASSETTE REMOVED 1056

SSETTE LABEL: ☐ CE ☐ 03 ☐ 16 ☐ A ← write A or B

Station Number (2 digits) Start Month (2 digits)

TAPE IN CORRECTLY? ☒DID YOU WRITE THE CORRECT INFORMATION ON THE CASSETTE AND DID YOU CLOSE THE LATCH? ☒ECORDER RESET 1101

LL METERS SUBMERGED: Probe 3 \_\_\_\_\_ Probe 2 \_\_\_\_\_ Probe 1 \_\_\_\_\_

HAVE SEEN THE TAPE ADVANCE, PLEASE NOTE TIME AND DATE (SPELL MONTH):

1101 S Pcc 10 April 80

S (PROBLEMS WITH EQUIPMENT, ETC.):

READING: \_\_\_\_\_ TIME OBSERVED: \_\_\_\_\_



L H

CALENDAR DATE: MONTH (spell out) \* DAY \* YEAR

ARRIVAL TIME 1145 DEPARTURE TIME 1216

ACCOMPLISHED ON THIS STATION VISIT:

MTR#	+ID	V <sub>x</sub>	V <sub>y</sub>	DIR	R	θ	-ID/DP	C	T	TURB
	+ .6	+ .5	+ .6	210			- .6	3.19	14.01	696
	+ 1.4	- .4	- .08	72			- 1.4	4.94	13.95	1.3
	+ 1.6	- .1	- .1	290			34.82	5.70	13.59	17.4

BATTERY fishings - decimal TRY	BM TO DPTH	BM TO WL	DPTH	DK DPTH	CALC SALT
9-13.1		180 cm			top bot

EXPIRATION TIME 1205

TERS OUT OF WATER:   Probe 1                      Probe 2                      Probe 3

AND CASSETTE REMOVED 1154

SETTE LABEL: \* 

CE	04	16
----	----	----

 . 

A
---

 ← write A or B

Station Number      Start Month

(2 digits)            (2 digits)

TAPE IN CORRECTLY? ☒ DID YOU WRITE THE CORRECT INFORMATION ON THE CASSETTE  
AND DID YOU CLOSE THE LATCH? ☒

CORDER RESET 1202

FEET METERS SUBMERGED:	Probe 3	Probe 2	Probe 1
0	0.00	0.00	0.00
1	0.00	0.00	0.00
2	0.00	0.00	0.00
3	0.00	0.00	0.00
4	0.00	0.00	0.00
5	0.00	0.00	0.00
6	0.00	0.00	0.00
7	0.00	0.00	0.00
8	0.00	0.00	0.00
9	0.00	0.00	0.00
10	0.00	0.00	0.00
11	0.00	0.00	0.00
12	0.00	0.00	0.00
13	0.00	0.00	0.00
14	0.00	0.00	0.00
15	0.00	0.00	0.00
16	0.00	0.00	0.00
17	0.00	0.00	0.00
18	0.00	0.00	0.00
19	0.00	0.00	0.00
20	0.00	0.00	0.00
21	0.00	0.00	0.00
22	0.00	0.00	0.00
23	0.00	0.00	0.00
24	0.00	0.00	0.00
25	0.00	0.00	0.00
26	0.00	0.00	0.00
27	0.00	0.00	0.00
28	0.00	0.00	0.00
29	0.00	0.00	0.00
30	0.00	0.00	0.00
31	0.00	0.00	0.00
32	0.00	0.00	0.00
33	0.00	0.00	0.00
34	0.00	0.00	0.00
35	0.00	0.00	0.00
36	0.00	0.00	0.00
37	0.00	0.00	0.00
38	0.00	0.00	0.00
39	0.00	0.00	0.00
40	0.00	0.00	0.00
41	0.00	0.00	0.00
42	0.00	0.00	0.00
43	0.00	0.00	0.00
44	0.00	0.00	0.00
45	0.00	0.00	0.00
46	0.00	0.00	0.00
47	0.00	0.00	0.00
48	0.00	0.00	0.00
49	0.00	0.00	0.00
50	0.00	0.00	0.00
51	0.00	0.00	0.00
52	0.00	0.00	0.00
53	0.00	0.00	0.00
54	0.00	0.00	0.00
55	0.00	0.00	0.00
56	0.00	0.00	0.00
57	0.00	0.00	0.00
58	0.00	0.00	0.00
59	0.00	0.00	0.00
60	0.00	0.00	0.00
61	0.00	0.00	0.00
62	0.00	0.00	0.00
63	0.00	0.00	0.00
64	0.00	0.00	0.00
65	0.00	0.00	0.00
66	0.00	0.00	0.00
67	0.00	0.00	0.00
68	0.00	0.00	0.00
69	0.00	0.00	0.00
70	0.00	0.00	0.00
71	0.00	0.00	0.00
72	0.00	0.00	0.00
73	0.00	0.00	0.00
74	0.00	0.00	0.00
75	0.00	0.00	0.00
76	0.00	0.00	0.00
77	0.00	0.00	0.00
78	0.00	0.00	0.00
79	0.00	0.00	0.00
80	0.00	0.00	0.00
81	0.00	0.00	0.00
82	0.00	0.00	0.00
83	0.00	0.00	0.00
84	0.00	0.00	0.00
85	0.00	0.00	0.00
86	0.00	0.00	0.00
87	0.00	0.00	0.00
88	0.00	0.00	0.00
89	0.00	0.00	0.00</

HAVE SEEN THE TAPE ADVANCE, PLEASE NOTE TIME AND ~~DATE~~ (SPELL MONTH): . 5

(PROBLEMS WITH EQUIPMENT, ETC.):

bad turbidity on #1

Record # 6330223

Found HEAD NOT ENGAGED  
w/ TAPE 1 (on old one)

READING: TIME OBSERVED:



SAN PABLO - CHIPPS ISLAND

## DATA LOGGER CHECK SHEET

ARRIVAL TIME 1235 DEPARTURE TIME 1400

ACCOMPLISHED ON THIS STATION VISIT: change tape + batteries, ground  
truth, blue box check

MTR#	+ID	V <sub>x</sub>	V <sub>y</sub>	D <sub>L</sub> R	R	θ	-ID/DP	C	T	TURB
	+1.8	-.4	-.6	230			-1.8	.16	14.09	1
	+ .7	-.6	+.1	100			- .8	.16	13.65	1.7
	+1.2	+.2	+.4	2			23.53	.16	13.57	10.8

BATTERY	BM TO DPTH	BM TO WL	DPTH	DK DPTH	CALC SALT
ERY old 3-11.9		269			top bot

LD CASSETTE REMOVED 1245

TAPE IN CORRECTLY? ☒ DID YOU WRITE THE CORRECT INFORMATION ON THE CASSETTE  
AND DID YOU CLOSE THE LATCH? ☒

REORDER RESET 1300

LL METERS SUBMERGED:	Probe 3	Probe 2	Probe 1
0	0.00	0.00	0.00
1	0.00	0.00	0.00
2	0.00	0.00	0.00
3	0.00	0.00	0.00
4	0.00	0.00	0.00
5	0.00	0.00	0.00
6	0.00	0.00	0.00
7	0.00	0.00	0.00
8	0.00	0.00	0.00
9	0.00	0.00	0.00
10	0.00	0.00	0.00
11	0.00	0.00	0.00
12	0.00	0.00	0.00
13	0.00	0.00	0.00
14	0.00	0.00	0.00
15	0.00	0.00	0.00
16	0.00	0.00	0.00
17	0.00	0.00	0.00
18	0.00	0.00	0.00
19	0.00	0.00	0.00
20	0.00	0.00	0.00
21	0.00	0.00	0.00
22	0.00	0.00	0.00
23	0.00	0.00	0.00
24	0.00	0.00	0.00
25	0.00	0.00	0.00
26	0.00	0.00	0.00
27	0.00	0.00	0.00
28	0.00	0.00	0.00
29	0.00	0.00	0.00
30	0.00	0.00	0.00
31	0.00	0.00	0.00
32	0.00	0.00	0.00
33	0.00	0.00	0.00
34	0.00	0.00	0.00
35	0.00	0.00	0.00
36	0.00	0.00	0.00
37	0.00	0.00	0.00
38	0.00	0.00	0.00
39	0.00	0.00	0.00
40	0.00	0.00	0.00
41	0.00	0.00	0.00
42	0.00	0.00	0.00
43	0.00	0.00	0.00
44	0.00	0.00	0.00
45	0.00	0.00	0.00
46	0.00	0.00	0.00
47	0.00	0.00	0.00
48	0.00	0.00	0.00
49	0.00	0.00	0.00
50	0.00	0.00	0.00
51	0.00	0.00	0.00
52	0.00	0.00	0.00
53	0.00	0.00	0.00
54	0.00	0.00	0.00
55	0.00	0.00	0.00
56	0.00	0.00	0.00
57	0.00	0.00	0.00
58	0.00	0.00	0.00
59	0.00	0.00	0.00
60	0.00	0.00	0.00
61	0.00	0.00	0.00
62	0.00	0.00	0.00
63	0.00	0.00	0.00
64	0.00	0.00	0.00
65	0.00	0.00	0.00
66	0.00	0.00	0.00
67	0.00	0.00	0.00
68	0.00	0.00	0.00
69	0.00	0.00	0.00
70	0.00	0.00	0.00
71	0.00	0.00	0.00
72	0.00	0.00	0.00
73	0.00	0.00	0.00
74	0.00	0.00	0.00
75	0.00	0.00	0.00
76	0.00	0.00	0.00
77	0.00	0.00	0.00
78	0.00	0.00	0.00
79	0.00	0.00	0.00
80	0.00	0.00	0.00
81	0.00	0.00	0.00
82	0.00	0.00	0.00
83	0.00	0.00	0.00
84	0.00	0.00	0.00
85	0.00	0.00	0.00
86	0.00	0.00	0.00
87	0.00	0.00	0.00
88	0.00	0.00	0.00
89	0.00	0.00	0.00

HAVE SEEN THE TAPE ADVANCE, PLEASE NOTE TIME AND DATE (SPELL MONTH):

TIME AND DATE (SPELL MONTH):  
1300 Spree 10 April 80

5 (PROBLEMS WITH EQUIPMENT, ETC.):

READING:

TIME OBSERVED:



SAN PABLO - CHIPPS ISLAND

TIME OBSERVED:



SP

the blank)

ACCOMPLISHED ON THIS STATION VISIT: STRIP STATION of Recording  
INSTRUMENT CASE, CABLES, PETERS

MTR#	+ID	V <sub>y</sub>	V <sub>y</sub>	DIR	R	θ	-ID/DP	C	T	TURB
				NO Ground Fault on Blue Box						
				VALUES RECORDED						

ATTERY	BM TO DPTH	BM TO WL	DPTH	DK DPTH	CALC SALT
ATTERY					top bot

OGATION TIME

ETERS OUT OF WATER: Probe 1                      ~~Probe 2~~                      Probe 3

LD CASSETTE REMOVED

CASSETTE LABEL: \* CE [01] [16] . [E] ← write A or B  
Station Number Start Month  
(2 digits) (2 digits)

TAPE IN CORRECTLY? ☒ DID YOU WRITE THE CORRECT INFORMATION ON THE CASSETTE  
AND DID YOU CLOSE THE LATCH? ☐

RECORD RESET

ALL METERS SUBMERGED:	Probe 3	Probe 2	Probe 1
1	1	1	1
2	2	2	2
3	3	3	3
4	4	4	4
5	5	5	5
6	6	6	6
7	7	7	7
8	8	8	8
9	9	9	9
10	10	10	10
11	11	11	11
12	12	12	12
13	13	13	13
14	14	14	14
15	15	15	15
16	16	16	16
17	17	17	17
18	18	18	18
19	19	19	19
20	20	20	20
21	21	21	21
22	22	22	22
23	23	23	23
24	24	24	24
25	25	25	25
26	26	26	26
27	27	27	27
28	28	28	28
29	29	29	29
30	30	30	30
31	31	31	31
32	32	32	32
33	33	33	33
34	34	34	34
35	35	35	35
36	36	36	36
37	37	37	37
38	38	38	38
39	39	39	39
40	40	40	40
41	41	41	41
42	42	42	42
43	43	43	43
44	44	44	44
45	45	45	45
46	46	46	46
47	47	47	47
48	48	48	48
49	49	49	49
50	50	50	50
51	51	51	51
52	52	52	52
53	53	53	53
54	54	54	54
55	55	55	55
56	56	56	56
57	57	57	57
58	58	58	58
59	59	59	59
60	60	60	60
61	61	61	61
62	62	62	62
63	63	63	63
64	64	64	64
65	65	65	65
66	66	66	66
67	67	67	67
68	68	68	68
69	69	69	69
70	70	70	70
71	71	71	71
72	72	72	72
73	73	73	73
74	74	74	74
75	75	75	75
76	76	76	76
77	77	77	77
78	78	78	78
79	79	79	79
80	80	80	80
81	81	81	81
82	82	82	82
83	83	83	83
84	84	84	84
85	85	85	85
86	86	86	86
87	87	87	87
88	88	88	88
89	89	89	89
90	90	90	90
91	91	91	91
92	92	92	92
93	93	93	93
94	94	94	94
95	95	95	95
96	96	96	96
97	97	97	97
98	98	98	98
99	99	99	99
100	100	100	100

HAVE SEEN THE TAPE ADVANCE, PLEASE NOTE TIME AND DATE (SPELL MONTH):

5 (PROBLEMS WITH EQUIPMENT, ETC.):

READING: TIME OBSERVED:



SAN PABLO - CHIPPS ISLAND

AL FI

## DATA LOGGER CHECK SHEET

ON (spell out) Carguiney \* STATION NUMBER\* 2CALENDAR DATE: MONTH (spell out) April \* DAY 28 \* YEAR 1980ARRIVAL TIME 1400 DEPARTURE TIME 1435

ve blank)

ACCOMPLISHED ON THIS STATION VISIT: Trap Battery change

## INTERROGATION VALUES

MTR#	+ID	V <sub>x</sub>	V <sub>y</sub>	DIR	R	θ	-ID/DP	C	T	TURB
P	.2	+0.01	+0.05	190			-.2	21.69	1508	.9
D	1.7	-.3	+0.09	300			-1.7	22.04	1519	.5
T	1	-.01	+0.01	47			31.01	21.26	14.74	.4

BATTERY	BM TO DPTH	BM TO WL	DPTH	DK DPTH	CALC SALT
9 -					
2.4 - 12.5		184			top bot

ROGATION TIME 1425

METERS OUT OF WATER: Probe 1 \_\_\_\_\_ Probe 2 \_\_\_\_\_ Probe 3 \_\_\_\_\_

OLD CASSETTE REMOVED 1420
 CASSETTE LABEL: CE 01 16 3 ← write A or B  
                                     Station Number    Start Month  
                                     (2 digits)        (2 digits)

 TAPE IN CORRECTLY? ☒ DID YOU WRITE THE CORRECT INFORMATION ON THE CASSETTE  
 AND DID YOU CLOSE THE LATCH? ☒
RECORDER RESET 1430

ALL METERS SUBMERGED: Probe 3 \_\_\_\_\_ Probe 2 \_\_\_\_\_ Probe 1 \_\_\_\_\_

HAVE SEEN THE TAPE ADVANCE, PLEASE NOTE TIME AND DATE (SPELL MONTH):

1430 S. Pure

S (PROBLEMS WITH EQUIPMENT, ETC.):

 4121 M.C.  
 4142 Clock value at 1430 PHT

READING: \_\_\_\_\_ TIME OBSERVED: \_\_\_\_\_



SAN PABLO - CHIPPS ISLAND

AL SP

## DATA LOGGER CHECK SHEET

ON (spell out) CAGQUINCE \* STATION NUMBER\* 02CALENDAR DATE: MONTH (spell out) April \* DAY 30 \* YEAR 1980ARRIVAL TIME 1110 DEPARTURE TIME 1134

ve blank)

ACCOMPLISHED ON THIS STATION VISIT: Change + Battery+ check depth

## INTERROGATION VALUES

MTR#	+ID	V <sub>x</sub>	V <sub>y</sub>	DIR	R	θ	-ID/DP	C	T	TURB
							28.50			

BATTERY	BM TO DPTH	BM TO WL	DPTH	DK DPTH	CALC SALT
7-12.5		2.56 cm.			top
					bot

OGATION TIME 1115

METERS OUT OF WATER: Probe 1 \_\_\_\_\_ Probe 2 \_\_\_\_\_ Probe 3 \_\_\_\_\_

LD CASSETTE REMOVED \_\_\_\_\_

SSETTE LABEL: CE    ← write A or B

Station Number (2 digits) Start Month (2 digits)

TAPE IN CORRECTLY? ☒DID YOU WRITE THE CORRECT INFORMATION ON THE CASSETTE AND DID YOU CLOSE THE LATCH? ☒RECORDER RESET 1130

LL METERS SUBMERGED: Probe 3 \_\_\_\_\_ Probe 2 \_\_\_\_\_ Probe 1 \_\_\_\_\_

HAVE SEEN THE TAPE ADVANCE, PLEASE NOTE TIME AND DATE (SPELL MONTH):

1130 SP 30 April 80

S (PROBLEMS WITH EQUIPMENT, ETC.):

READING:

TIME OBSERVED:



## SAN PABLO - CHIPPS ISLAND

L FT DATA LOGGER CHECK SHEETN (spell out) Benicia Martiner \* STATION NUMBER\* 3CALENDAR DATE: MONTH (spell out) April \* DAY 30 \* YEAR 80ARRIVAL TIME 1240 DEPARTURE TIME 1415

(e blank)

ACCOMPLISHED ON THIS STATION VISIT: Changed tapes & Batteries #1 probe  
(Back temp.) from #2 from SAN PABLO.

## INTERROGATION VALUES

MTR#	+ID	V <sub>x</sub>	V <sub>y</sub>	DIR	R	θ	-ID/DP	C	T	TURB
	+1.5	-1.1	-.1	200			-1.5	7.20	16.38	66.8
	+ .5	+ .4	-1.1	120			-.5	7.58	16.20	-.5
	<u>- .5</u>	+ .5	-.1	60			31.47	7.33	17.84	85

BATTERY	BM TO DPTH	BM TO WL	DPTH	DK DPTH	CALC SALT
2 - 9.90					
8 - 12.8		217			top bot

IGATION TIME 1345

METERS OUT OF WATER: Probe 1 \_\_\_\_\_ Probe 2 \_\_\_\_\_ Probe 3 \_\_\_\_\_

LD CASSETTE REMOVED 1340CASSETTE LABEL: \* CE 03 16 \* B ← write A or B  
Station Number Start Month  
(2 digits) (2 digits)TAPE IN CORRECTLY? ☒ ☐DID YOU WRITE THE CORRECT INFORMATION ON THE CASSETTE  
AND DID YOU CLOSE THE LATCH? ☒REORDER RESET 1400

LL METERS SUBMERGED: Probe 1 \_\_\_\_\_ Probe 2 \_\_\_\_\_ Probe 3 \_\_\_\_\_

HAVE SEEN THE TAPE ADVANCE, PLEASE NOTE TIME AND DATE (SPELL MONTH):

1400 S. Pace

5 (PROBLEMS WITH EQUIPMENT, ETC.):

power down 1305RC 4603  
MC 4594READING: \_\_\_\_\_ TIME OBSERVED: 1350



## SAN PABLO - CHIPPS ISLAND

AL H

## DATA LOGGER CHECK SHEET

(spell out) Port Chicago \* STATION NUMBER\* 1  
 . CALENDAR DATE: MONTH (spell out) April \* DAY 30 \* YEAR 80 \*  
 . ARRIVAL TIME 1435 DEPARTURE TIME 1635

re blank)

ACCOMPLISHED ON THIS STATION VISIT: Changed Batteries & Tape & Probe #3  
w/ Probe #3 From San Pablo

## INTERROGATION VALUES

MTR#	+ID	V <sub>x</sub>	V <sub>y</sub>	DIR	R	θ	-ID/DP	C	T	TURB
	.6	+.6	-.6	140			-.6	2.88	16.80	700
	1.4	-.2	+.4	352			-1.4	2.73	16.80	.3
	1.1	+.14	+.9	0			36.21	2.82	16.87	0

BATTERY	BM TO DPTH	BM TO WL	DPTH	DK DPTH	CALC SALT
TERY					top
<u>.8-12.8</u>		<u>115</u>			bot

OGATION TIME 1615 124<sup>00</sup> - 36.70'

METERS OUT OF WATER: Probe 1 \_\_\_\_\_ Probe 2 \_\_\_\_\_ Probe 3 \_\_\_\_\_

LD CASSETTE REMOVED 1620

ASSETTE LABEL: \* CE 04 16 \* B ← write A or B  
 Station Number Start Month  
 (2 digits) (2 digits)

TAPE IN CORRECTLY? ☒ DID YOU WRITE THE CORRECT INFORMATION ON THE CASSETTE  
 AND DID YOU CLOSE THE LATCH? ☒

ECORDER RESET 1630

LL METERS SUBMERGED: Probe 3 \_\_\_\_\_ Probe 2 \_\_\_\_\_ Probe 1 \_\_\_\_\_

HAVE SEEN THE TAPE ADVANCE, PLEASE NOTE TIME AND DATE (SPELL MONTH): \_\_\_\_\_

1630 S.Fall

(PROBLEMS WITH EQUIPMENT, ETC.): power down 1440

no reading on all batteries  
replaced bottom meter with meter from San Pablo #3

READING: \_\_\_\_\_ TIME OBSERVED: \_\_\_\_\_



## SAN PABLO - CHIPPS ISLAND

## DATA LOGGER CHECK SHEET

(spell out) Chippis Island \* STATION NUMBER\* 5  
 CALENDAR DATE: MONTH (spell out) April \* DAY 30 \* YEAR 80  
 ARRIVAL TIME 1655 DEPARTURE TIME 1715

e blank)

ACCOMPLISHED ON THIS STATION VISIT:

check, change batteries & tape around truth

## INTERROGATION VALUES

MTR#	+ID	V <sub>x</sub>	V <sub>y</sub>	DIR	R	θ	-ID/DP	C	T	TURB
	+1.8	+1.4	+1.1	155			-1.8	.36	18.31	2.2
	<u>+1.7</u>	+0.1	+0.08	15			-.8	.36	17.85	2.6
	+1.2	-.03	+0.01	100			25.58	.36	17.69	3.6

BATTERY	BM TO DPTH	BM TO WL	DPTH	DK DPTH	CALC SALT
ERY					top
7-12.7		~185			bot

LOGGATION TIME 1705

METERS OUT OF WATER: Probe 1 \_\_\_\_\_ Probe 2 \_\_\_\_\_ Probe 3 \_\_\_\_\_

D CASSETTE REMOVED 1650

CASSETTE LABEL: \* CE 05 16 \* B ← write A or B  
 Station Number Start Month  
 (2 digits) (2 digits)

TAPE IN CORRECTLY? ☒ DID YOU WRITE THE CORRECT INFORMATION ON THE CASSETTE  
 AND DID YOU CLOSE THE LATCH? ☒

REORDER RESET 1700

METERS SUBMERGED: Probe 3 \_\_\_\_\_ Probe 2 \_\_\_\_\_ Probe 1 \_\_\_\_\_

HAVE SEEN THE TAPE ADVANCE, PLEASE NOTE TIME AND DATE (SPELL MONTH):

1700 S. Feb

(PROBLEMS WITH EQUIPMENT, ETC.):

READING: \_\_\_\_\_ TIME OBSERVED: \_\_\_\_\_



SAN PABLO - CHIPPS ISLAND

AL 15 DATA LOGGER CHECK SHEETNAME (spell out) San Pablo Bay \* STATION NUMBER\* 6CALENDAR DATE: MONTH (spell out) April \* DAY 30 \* YEAR 80ARRIVAL TIME 1755 DEPARTURE TIME 1807

(leave blank)

ACCOMPLISHED ON THIS STATION VISIT:

Charge Batteries 3 Tape

## INTERROGATION VALUES

MTR#	+ID	V <sub>x</sub>	V <sub>y</sub>	DIR	R	θ	-ID/DP	C	T	TURB
	1.3						-1.3	1.68	17.44	11.7

BATTERY	BM TO DPTH	BM TO WL	DPTH	DK DPTH	CALC SALT
-					
6-12.5					top bot

INTERROGATION TIME 1804

METERS OUT OF WATER: Probe 1 \_\_\_\_\_ Probe 2 \_\_\_\_\_ Probe 3 \_\_\_\_\_

TAPES CASSETTE REMOVED 1755CASSETTE LABEL: \* CE 06 16 \* B ← write A or B  
Station Number Start Month  
(2 digits) (2 digits)TAPE IN CORRECTLY? ☒ DID YOU WRITE THE CORRECT INFORMATION ON THE CASSETTE  
AND DID YOU CLOSE THE LATCH? ☒RECORDING RES. 800

ALL METERS SUBMERGED: Probe 3 \_\_\_\_\_ Probe 2 \_\_\_\_\_ Probe 1 \_\_\_\_\_

HAVE SEEN THE TAPE ADVANCE, PLEASE NOTE TIME AND DATE (SPELL MONTH):

1800 > Jan

(PROBLEMS WITH EQUIPMENT, ETC.):

TIME OBSERVED:



## SAN PABLO - CHIRPS ISLAND

AL HT

## DATA LOGGER CHECK SHEET

\* (spell out) Cummins \* STATION NUMBER\* 7CALENDAR DATE: MONTH (spell out) May \* DAY 16 \* YEAR 80ARRIVAL TIME 1410 DEPARTURE TIME 1450

(see blank)

ACCOMPLISHED ON THIS STATION VISIT:

W. P. Clark change batteries stop

## INTERROGATION VALUES

MTR#	+ID	V <sub>x</sub>	V <sub>y</sub>	DIR	R	θ	-ID/DP	C	T	TURB
	+1.2	-0.06	-.36	195			-.2	6.50	16.25	0
	+1.7	-.40	+.04	290			-1.7	8.13	16.25	0
	+1	+.1	+.34	50			30.11	8.81	15.77	1.2

BATTERY	BM TO DPTH	BM TO WL	DPTH	DK DPTH	CALC SALT
8-12.2					
5-12.6		205			top
					bot

LOGATION TIME

1435

METERS OUT OF WATER: Probe 1 \_\_\_\_\_ Probe 2 \_\_\_\_\_ Probe 3 \_\_\_\_\_

TAP CASSETTE REMOVED 1420CASSETTE LABEL: \* CE 02 17 \* A ← write A or B  
Station Number (2 digits) Start Month (2 digits)TAPE IN CORRECTLY? ☒DID YOU WRITE THE CORRECT INFORMATION ON THE CASSETTE  
AND DID YOU CLOSE THE LATCH? ☒REORDER RESET 1420

METERS SUBMERGED: Probe 3 \_\_\_\_\_ Probe 2 \_\_\_\_\_ Probe 1 \_\_\_\_\_

HAVE SEEN THE TAPE ADVANCE, PLEASE NOTE TIME AND DATE (SPELL MONTH):

1450 PULL

(PROBLEMS WITH EQUIPMENT, ETC.):

1242 H/CREADING: 0.0 RC TIME OBSERVED: 1420



## SAN PABLO - CHIPPS ISLAND

AL

CK

## DATA LOGGER CHECK SHEET

(spell out) BENICIA\* STATION NUMBER\* 3CALENDAR DATE: MONTH (spell out) MAY \* DAY 19 <sup>MONTH</sup> YEAR 80ARRIVAL TIME 10 30 DEPARTURE TIME 1145

(blank)

ACCOMPLISHED ON THIS STATION VISIT: CHANGE RECORDER, CHANGE BATTERIES  
RESET CLOCK, BLUE BOX CHECK

## INTERROGATION VALUES

MTR#	+ID	V <sub>x</sub>	V <sub>y</sub>	DIR	R	θ	-ID/DP	C	T	TURB
	1.5	4.4 G +2.1 ± 1.8	-0.8	200°			-1.49	4.29	17.41	47.8
	0.5	-0.8 ±	+1 ± 1	085°			-.5	4.23	17.38	and -0.6
	0.48	-1.5 ± 1.5	-.4 ± 1.3	027			27.35	3.85	17.06	15.9

BATTERY	BM TO DPTH	BM TO WL	DPTH	DK DPTH	CALC SALT
23 - 11.49					
27 - 12.37		134" ± 3"			top bot

INTERROGATION TIME 11 20

METERS OUT OF WATER: Probe 1 \_\_\_\_\_ Probe 2 \_\_\_\_\_ Probe 3 \_\_\_\_\_

TAPE CASSETTE REMOVED 12 45CASSETTE LABEL: ☐ CE ☐ 03 ☐ 17 ☐ A ← write A or B.  
Station Number (2 digits) Start Month (2 digits)TAPE IN CORRECTLY? ☒ DID YOU WRITE THE CORRECT INFORMATION ON THE CASSETTE AND DID YOU CLOSE THE LATCH? ☒RECORDER RESET 1130

ALL METERS SUBMERGED: Probe 3 \_\_\_\_\_ Probe 2 \_\_\_\_\_ Probe 1 \_\_\_\_\_

HAVE SEEN THE TAPE ADVANCE, PLEASE NOTE TIME AND DATE (SPELL MONTH): ✓(PROBLEMS WITH EQUIPMENT, ETC.): POWER OFF @ 1040  
SEE DATA INTERRUPT SHEET

RECORDING:

TIME OBSERVED:



## SAN PABLO - CHIPPS ISLAND

AL 1-T

## DATA LOGGER CHECK SHEET

W (spell out) Port Chicago \* STATION NUMBER\* 4  
 . CALENDAR DATE: MONTH (spell out) May \* DAY 16 \* YEAR 80  
 . ARRIVAL TIME 1745 DEPARTURE TIME 1834

ve blank)

ACCOMPLISHED ON THIS STATION VISIT:

Plus box check change tape +  
batteries, ground truth (no temp)

## INTERROGATION VALUES

MTR#	+ID	V <sub>x</sub>	V <sub>y</sub>	DIR	R	θ	-ID/DP	C	T	TURB
	+0.6	+0.7	-5	140			-0.6	1.23	17.21	107
	+1.4	+0.3	-5.9	355			-1.4	1.29	17.19	0
	+1.1	±0.0	+0.4	360			37.37	1.31	17.28	.5

BATTERY	BM TO DPTH	BM TO WL	DPTH	DK DPTH	CALC SALT
12.3					
5-12.9		131			top
					bot

OGATION TIME 1805

ETERS OUT OF WATER: Probe 1 \_\_\_\_\_ Probe 2 \_\_\_\_\_ Probe 3 \_\_\_\_\_

LD CASSETTE REMOVED 1750

CASSETTE LABEL: \* CE 14 17 \* A ← write A or B  
 Station Number (2 digits) Start Month (2 digits)

TAPE IN CORRECTLY? ☒DID YOU WRITE THE CORRECT INFORMATION ON THE CASSETTE AND DID YOU CLOSE THE LATCH? ☒RECORDER RESET 630

L METERS SUBMERGED: Probe 3 \_\_\_\_\_ Probe 2 \_\_\_\_\_ Probe 1 \_\_\_\_\_

HAVE SEEN THE TAPE ADVANCE, PLEASE NOTE TIME AND DATE (SPELL MONTH): \_\_\_\_\_

1830 Plus

(PROBLEMS WITH EQUIPMENT, ETC.): V<sub>y</sub> on middle meter is bad (-5.9)

SEE DATA INTERRUPT FOR 19 MAY

ALSO OTHER DATA LOGGER

CHECK SHEET @ 19 MAY

READING: WC 12.78  
RC 12.60

TIME OBSERVED: 1810



## SAN PABLO - CHIPPS ISLAND

## DATA LOGGER CHECK SHEET

STATION (spell out) Chippis Island \* STATION NUMBER\* 5  
 CALENDAR DATE: MONTH (spell out) May \* DAY 16 \* YEAR 80  
 ARRIVAL TIME 1705 DEPARTURE TIME 1735

(e blank)

ACCOMPLISHED ON THIS STATION VISIT: Run box check, change tape  
+ batteries, ground truth (no temp)

## INTERROGATION VALUES

MTR#	+ID	V <sub>x</sub>	V <sub>y</sub>	DIR	R	θ	-ID/DP	C	T	TURB
	+1.8	-.7	+.1	120			-1.8	0.22	18.57	4
	+.5	-.5	+.2	320			-.8	0.23	18.14	10
	+1.2	+.2	+.3	50			25.43	0.24	17.93	5

BATTERY	BM TO DPTH	BM TO WL	DPTH	DK DPTH	CALC SALT
-12.3					
ERY					top
-8-12.7		17.4			bot

LOGGATION TIME 1715

METERS OUT OF WATER: Probe 1 \_\_\_\_\_ Probe 2 \_\_\_\_\_ Probe 3 \_\_\_\_\_

LD CASSETTE REMOVED 1717

CASSETTE LABEL: \* CE 65 17 \* A ← write A or B  
 Station Number Start Month  
 (2 digits) (2 digits)

TAPE IN CORRECTLY? ☒ ☐

DID YOU WRITE THE CORRECT INFORMATION ON THE CASSETTE  
 AND DID YOU CLOSE THE LATCH? ☒

REORDER RESET 1730

DL METERS SUBMERGED: Probe 3 \_\_\_\_\_ Probe 2 \_\_\_\_\_ Probe 1 \_\_\_\_\_

HAVE SEEN THE TAPE ADVANCE, PLEASE NOTE TIME AND DATE (SPELL MONTH):

1730 Pace

5 (PROBLEMS WITH EQUIPMENT, ETC.):

+1 D has changed to +.6  
 station has been hit, & started to leak. It appears  
 damage to meters or wires.  
 WC 1230

READING: RC 1212 TIME OBSERVED: 12:12



## SAN PABLO - CHIPPS ISLAND

## DATA LOGGER CHECK SHEET

L H  
 N (spell out) Gray Bay \* STATION NUMBER\* 6  
 CALENDAR DATE: MONTH (spell out) May \* DAY 16 \* YEAR 80  
 ARRIVAL TIME 1605 DEPARTURE TIME 1635

e blank)

ACCOMPLISHED ON THIS STATION VISIT:

Blue box check, change tape +  
battery, ground truth (calcs only)

## INTERROGATION VALUES

MTR#	+ID	V <sub>x</sub>	V <sub>y</sub>	DIR	R	θ	-ID/DP	C	T	TURB
	1.3						-1.3	.70	17.21	4.2

BATTERY	BM TO DPTH	BM TO WL	DPTH	DK DPTH	CALC SALT
-13.6					
ERY					top
-12.6					bot

OGATION TIME 1620

METERS OUT OF WATER: Probe 1 \_\_\_\_\_ Probe 2 \_\_\_\_\_ Probe 3 \_\_\_\_\_

AD CASSETTE REMOVED 1615

CASSETTE LABEL: \* CE 06 17 \* A ← write A or B  
 Station Number (2 digits) Start Month (2 digits)

TAPE IN CORRECTLY? ☒ ☐

DID YOU WRITE THE CORRECT INFORMATION ON THE CASSETTE  
 AND DID YOU CLOSE THE LATCH? ☒

CORDER RESET 1630

METERS SUBMERGED: Probe 3 \_\_\_\_\_ Probe 2 \_\_\_\_\_ Probe 1 \_\_\_\_\_

HAVE SEEN THE TAPE ADVANCE, PLEASE NOTE TIME AND DATE (SPELL MONTH): \_\_\_\_\_

1630 RC

(PROBLEMS WITH EQUIPMENT, ETC.):

RC 1260

READING: RC 1204

TIME OBSERVED: 1610



SAN PABLO - CHIPS ISLAND

DATA LOGGER CHECK SHEET

ON (spell out) Carquinez \* STATION NUMBER\* 2  
 CALENDAR DATE: MONTH (spell out) June \* DAY 2 \* YEAR 1980  
 ARRIVAL TIME 0812 DEPARTURE TIME 0845

(leave blank)

ACCOMPLISHED ON THIS STATION VISIT: Fly by - charge batteries + tapes

INTERROGATION VALUES

MTR#	+ID	V <sub>x</sub>	V <sub>y</sub>	DIR	R	θ	-ID/DP	C	T	TURB
	2.2	-0.35	+0.78	170			-0.2	+9.70	15.91	2.5
	1.7	+0.90	+0.02	270			-1.7	15.42	16.07	0(?)
	1.0	-0.05	-0.40	42			+29.22	12.76	15.64	-1.2(?)

BATTERY	BM TO DPTH	BM TO WL	DPTH	DK DPTH	CALC SALT
04-					top
					bot

OGATION TIME 0929

METERS OUT OF WATER: Probe 1 \_\_\_\_\_ Probe 2 \_\_\_\_\_ Probe 3 \_\_\_\_\_

LD CASSETTE REMOVED 0915

ASSETTE LABEL: CE 02 17 b ← write A or B  
 Station Number (2 digits) Start Month (2 digits)

TAPE IN CORRECTLY? ☒ ☐

DID YOU WRITE THE CORRECT INFORMATION ON THE CASSETTE AND DID YOU CLOSE THE LATCH? ☒

ECORDER RESET 0830

LL METERS SUBMERGED: Probe 3 \_\_\_\_\_ Probe 2 \_\_\_\_\_ Probe 1 \_\_\_\_\_

HAVE SEEN THE TAPE ADVANCE, PLEASE NOTE TIME AND DATE (SPELL MONTH):

0830 June 2, 1980

S (PROBLEMS WITH EQUIPMENT, ETC.):

- Tr. probe 2 (?)  
 " 3  
 - clock reading (?)

READING: 0 - doesn't appear to be working to (?)

TIME OBSERVED: 0738



SAN PABLO - CHILIS ISLAND

DATA LOGGER CHECK SHEET

N (spell out) Benicia \* STATION NUMBER\* 3

CALENDAR DATE: MONTH (spell out) JUNE \* DAY 2 \* YEAR 1980

ARRIVAL TIME 0914 DEPARTURE TIME 0950

(leave blank)

ACCOMPLISHED ON THIS STATION VISIT: change batteries + tapes

INTERROGATION VALUES

MTR#	+ID	V <sub>x</sub>	V <sub>y</sub>	DIR	R	θ	-ID/DP	C	T	TURB
	+1.5	+1.9	-0.10	210			1.5	10.75	16.27	34.8
	+0.5	-0.7	+1.4	95			0.5	10.78	16.26	0.6
	+0.7	-0.4	-0.2	39.0			27.43	8.45	15.93	58.0

BATTERY	BM TO DPTH	BM TO WL	DPTH	DK DPTH	CALC SALT
-					
BATTERY					top
<u>5 - 12.3</u>					bot

LOGGATION TIME 0940

METERS OUT OF WATER: Probe 1        Probe 2        Probe 3       

OLD CASSETTE REMOVED 0925

CASSETTE LABEL: \* CE 03 17 \* b ← write A or B on cassette  
Station Number (2 digits) Start Month (2 digits)

TAPE IN CORRECTLY? ☒ DID YOU WRITE THE CORRECT INFORMATION ON THE CASSETTE AND DID YOU CLOSE THE LATCH? ☒

RECORDER RESET 0930

ALL METERS SUBMERGED: Probe 3        Probe 2        Probe 1       

HAVE SEEN THE TAPE ADVANCE, PLEASE NOTE TIME AND DATE (SPELL MONTH):       

0930 2 June 1980

PROBLEMS WITH EQUIPMENT, ETC.): - clock ?  
- turbidity of probes 2+3 (?)

READING: 1.050 - variable, then TIME OBSERVED: 0931



OF THE U.S. DEPARTMENT OF COMMERCE

SAN PABLO - PHIPPS ISLAND

DATA LOGGER CHECK SHEET

AL \_\_\_\_\_

ON (spell out) Port Chicago \* STATION NUMBER\* 4

CALENDAR DATE: MONTH (spell out) JUNE \* DAY 2 \* YEAR 1980

ARRIVAL TIME 09 DEPARTURE TIME 1045

ve blank)

ACCOMPLISHED ON THIS STATION VISIT: change batteries + tapes

INTERROGATION VALUES

	MTR#	+ID	V <sub>x</sub>	V <sub>y</sub>	DIR	R	θ	-ID/DP	C	T	TURB
P		0.6	0.7 - +2.0	+0.8	235			0.6	1.18	17.55	225(?)
D		0.3	0.7 variable	+0.5	310			0.3	1.18	17.28	0.5
T		1.1	0.8	+1.0	80			33.18	1.17	17.66	0.8

BATTERY	BM TO DPTH	BM TO WL	DPTH	DK DPTH	CALC SALT
BATTERY					top
2-12.3					bot

ROGATION TIME 1035-1040

METERS OUT OF WATER: Probe 1 — Probe 2 — Probe 3 —

OLD CASSETTE REMOVED 1025

CASSETTE LABEL: CE 04 17 b ← write A or B  
Station Number (2 digits) Start Month (2 digits)  
on cassette

TAPE IN CORRECTLY? ☒ DID YOU WRITE THE CORRECT INFORMATION ON THE CASSETTE AND DID YOU CLOSE THE LATCH? ☒

RECORDER RESET 1030

ALL METERS SUBMERGED: Probe 3 — Probe 2 — Probe 1 —

HAVE SEEN THE TAPE ADVANCE, PLEASE NOTE TIME AND DATE (SPELL MONTH):

1030 2 June 1980

IS (PROBLEMS WITH EQUIPMENT, ETC.):

- Turbidity - probe 1  
- clock  
- V<sub>x</sub> + V<sub>y</sub> variable - all probes  
(wire was flopping!)

READING: no readings at all TIME OBSERVED: \_\_\_\_\_







## SAN PABLO - CRIPPS ISLAND

## DATA LOGGER CHECK SHEET

STATION (spell out) Grizzley Bay \* STATION NUMBER\* 6  
 CALENDAR DATE: MONTH (spell out) JUNE \* DAY 2 \* YEAR 1980  
 ARRIVAL TIME 1208 DEPARTURE TIME 1310

(leave blank)

ACCOMPLISHED ON THIS STATION VISIT: change batteries + tapes

## INTERROGATION VALUES

	MTR#	+ID	V <sub>x</sub>	V <sub>y</sub>	DIR	R	θ	-ID/DP	C	T	TURB
P		1.3	-	-				1.3	170	17.45	1.2
D											
T											

BATTERY	BM TO DPTH	BM TO WL	DPTH	DK DPTH	CALC SALT
-					
TTERY					top
S - 12.4					bot

ROGATION TIME 1225

METERS OUT OF WATER: Probe 1 — Probe 2 — Probe 3 —

OLD CASSETTE REMOVED 1225

CASSETTE LABEL: \* CE 06 17 \* b ← write A or B  
 Station Number (2 digits) Start Month (2 digits)

W TAPE IN CORRECTLY? ☒ DID YOU WRITE THE CORRECT INFORMATION ON THE CASSETTE AND DID YOU CLOSE THE LATCH? ☒

RECORDER RESET 1230

ALL METERS SUBMERGED: Probe 3 — Probe 2 — Probe 1 —

U HAVE SEEN THE TAPE ADVANCE, PLEASE NOTE TIME AND DATE (SPELL MONTH):

1230 2 June, 1980

KS (PROBLEMS WITH EQUIPMENT, ETC.):

READING: 0.67 TIME OBSERVED: 1227



## SAN PABLO - CHIPPS ISLAND

## DATA LOGGER CHECK SHEET

AL CK  
 N (spell out) CHIPPS \* STATION NUMBER \* 5  
 CALENDAR DATE: MONTH (spell out) JUNE <sup>WTHING DAY</sup> \* DAY 3 \* YEAR 80  
 ARRIVAL TIME 0830 DEPARTURE TIME 0910

(leave blank)

ACCOMPLISHED ON THIS STATION VISIT: BLUE BOX, INSTALL RECORDER  
FROM BEVICIA - 633025), RESET CLOCK - Meter not moved

## INTERROGATION VALUES

*adding strongly!*

MTR#	+ID	V <sub>x</sub>	V <sub>y</sub>	DIR	R	θ	-ID/DP	C	T	TURB
1	1.8	-1.28	-0.3	230			-1.8	1.69	17.46	Fluke -0.2
2	0.64 <sup>+</sup>	-1.0	-0.03	100			-0.8	1.89	17.10	14.4
3	1.2	-0.10	+0.6	190			24.32	1.91	16.95	0.0

BATTERY	BM TO DPTH	BM TO WL	DPTH	DK DPTH	CALC SALT
BATTERY	229				top bot

LOGGATION TIME 0848

METERS OUT OF WATER: Probe 1 \_\_\_\_\_ Probe 2 \_\_\_\_\_ Probe 3 \_\_\_\_\_

OLD CASSETTE REMOVED \_\_\_\_\_

CASSETTE LABEL: ☒ CE ☐ ☐ ☐ ← write A or B  
 Station Number (2 digits) Start Month (2 digits)

TAPE IN CORRECTLY? ☒ DID YOU WRITE THE CORRECT INFORMATION ON THE CASSETTE  
 AND DID YOU CLOSE THE LATCH? ☐

RECORDER RESET 0900 - CLOCK RESET ALSO

ALL METERS SUBMERGED: Probe 3 \_\_\_\_\_ Probe 2 \_\_\_\_\_ Probe 1 \_\_\_\_\_

HAVE SEEN THE TAPE ADVANCE, PLEASE NOTE TIME AND DATE (SPELL MONTH): \_\_\_\_\_

REMARKS (PROBLEMS WITH EQUIPMENT, ETC.): First records may be bad -  
May have had wrong settings on recorder. Use second  
half hour as first good data (0930)

READING: \_\_\_\_\_ RESET TIME OBSERVED: \_\_\_\_\_



## SAN PABLO - CHIPPS ISLAND

## DATA LOGGER CHECK SHEET

L 39 ON (spell out) San Pablo \* STATION NUMBER\* 1CALENDAR DATE: MONTH (spell out) June \* DAY 24 \* YEAR 1980 \*ARRIVAL TIME 1030 DEPARTURE TIME \_\_\_\_\_

e blank)

ACCOMPLISHED ON THIS STATION VISIT: Battery and tape change

## INTERROGATION VALUES

MTR#	+ID	V <sub>x</sub>	V <sub>y</sub>	DIR	R	θ	-ID/DP	C	T	TURB
	0.9	-0.3	-0.2	225			34.51*	31.39	16.35	8.8
	1.6	-0.3	-0.7	180			1.4	28.31	16.55	44
	0.8	+0.7	+0.6	28			1.4	0.02	16.13	0.3

↑ leaks broken

METER	BM TO DPTH	BM TO WL	DPTH	DK DPTH	CALC SALT
12.9					top bot

STATION TIME 1045METERS OUT OF WATER: Probe 1 N/A Probe 2 N/A Probe 3 N/ACASSETTE REMOVED 1145CASSETTE LABEL: \* CE 01 18 \* A1 ← write A or B  
Station Number (2 digits) Start Month (2 digits)TAPE IN CORRECTLY? ☒DID YOU WRITE THE CORRECT INFORMATION ON THE CASSETTE AND DID YOU CLOSE THE LATCH? ☒ORDER RESET 1100METERS SUBMERGED: Probe 3 N/A Probe 2 \_\_\_\_\_ Probe 1 \_\_\_\_\_HAVE SEEN THE TAPE ADVANCE, PLEASE NOTE TIME AND DATE (SPELL MONTH): 1100 24 June 80

(PROBLEMS WITH EQUIPMENT, ETC.):

\* looks like wires have been switched and top meter shows bottom readings

READING: \_\_\_\_\_ TIME OBSERVED: \_\_\_\_\_



SAN PABLO - CHIPPS ISLAND

DATA LOGGER CHECK SHEET

AL

IN (spell out)

Benicia

\* STATION NUMBER\*

3

CALENDAR DATE: MONTH (spell out) June

\* DAY

24

\* YEAR

1980

ARRIVAL TIME

0915

DEPARTURE TIME

0940

(e blank)

ACCOMPLISHED ON THIS STATION VISIT:

Battery change

## INTERROGATION VALUES

MTR#	+ID	V <sub>x</sub>	V <sub>y</sub>	DIR	R	θ	-ID/DP	C	T	TURB
	1.5	-3.2	-0.3	180			1.5/	4.9	18.9	27.8
	0.5	+0.6	-0.2	80			.5/	5.7	18.8	28
	0.6	+0.4	+0.2	45			/32.35	2.8	18.3	14.0

ATTERY

BM TO DPTH

BM TO WL

DPTH

DK DPTH

CALC SALT

TERRY

1 -12.7

top

bot

OGATION TIME

0930

TERS OUT OF WATER:

Probe 1

N/A

Probe 2

N/A

Probe 3

N/A

LD CASSETTE REMOVED

N/A (only few days on tape)

SSETTE LABEL:

CE

Station Number

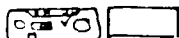
(2 digits)

Start Month

(2 digits)

← write A or B

TAPE IN CORRECTLY?



DID YOU WRITE THE CORRECT INFORMATION ON THE CASSETTE AND DID YOU CLOSE THE LATCH?



ECORDER RESET

0930

LL METERS SUBMERGED:

Probe 3

Probe 2

Probe 1

HAVE SEEN THE TAPE ADVANCE, PLEASE NOTE TIME AND DATE (SPELL MONTH)

0930 24 June 80

B (PROBLEMS WITH EQUIPMENT, ETC.):

READING:

Not taken

TIME OBSERVED:

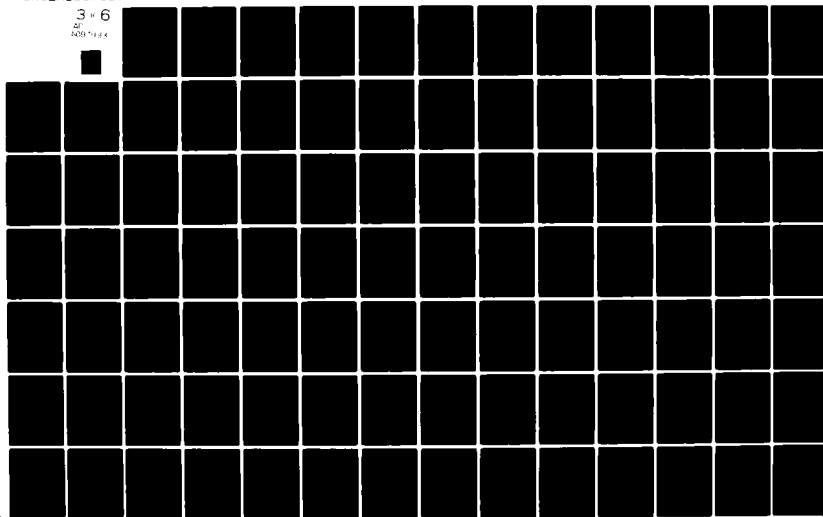


AD-A097 893

KINNETIC LABS INC SANTA CRUZ CA F/G 8/8  
IN-SITU FIELD DATA GATHERING STATIONS, SAN FRANCISCO BAY-DELTA---ETC(U)  
MAR 81 DACW07-78-C-0049  
KLI-81-1-APP-12 NL

UNCLASSIFIED

3 16  
20  
2007-11-14





SAN PABLO - CHIPPS ISLAND

DATA LOGGER CHECK SHEET

AL C12  
 (spell out) SAN PABLO \* STATION NUMBER Q1  
 CALENDAR DATE: MONTH (spell out) JUNE \* DAY 20 \* YEAR 80  
 ARRIVAL TIME 0920 DEPARTURE TIME 1425

(e blank)

ACCOMPLISHED ON THIS STATION VISIT: INSTALL STATION 90, 520, 820 m from bottom  
bottom, 10 mid, 19 top

*have depth sensor*

MTR#	+ID	V <sub>x</sub>	V <sub>y</sub>	DIR	R	θ	-ID/DP	C	T	TURB
<u>1019</u>										
<u>810</u>										
<u>20</u>										

ATTERY	BM TO DPTH	BM TO WL	DPTH	DK DPTH	CALC SALT
-					
ERY					top
-					bot

*not taken*

OGATION TIME no interrogation - good truth data taken

ETERS OUT OF WATER: Probe 1 \_\_\_\_\_ Probe 2 \_\_\_\_\_ Probe 3 \_\_\_\_\_

LD CASSETTE REMOVED \_\_\_\_\_

SSETTE LABEL: CE                                                                ← write A or B  
 Station Number Start Month  
 (2 digits) (2 digits)

TAPE IN CORRECTLY? ☒ ☐ DID YOU WRITE THE CORRECT INFORMATION ON THE CASSETTE  
 AND DID YOU CLOSE THE LATCH? ☐

ECORDER RESET 1400 - (CLOCK RESET)

LL METERS SUBMERGED: Probe 3 \_\_\_\_\_ Probe 2 \_\_\_\_\_ Probe 1 \_\_\_\_\_

HAVE SEEN THE TAPE ADVANCE, PLEASE NOTE TIME AND DATE (SPELL MONTH): above

1400

S (PROBLEMS WITH EQUIPMENT, ETC.): 520 - 90 = 430 m

*No blue box readings - No time. Weather danger  
 1 Battery is bad. Replace*

READING: CLOCK RESET TIME OBSERVED: \_\_\_\_\_



SAN PABLO - CHIPPS ISLAND

AL

DATA LOGGER CHECK SHEET

(spell out) CHIRQUINEZ \* STATION NUMBER\* 2CALENDAR DATE: MONTH (spell out) JUNE \* DAY 20 \* YEAR 80ARRIVAL TIME 0755 DEPARTURE TIME 0830

ve blank)

ACCOMPLISHED ON THIS STATION VISIT: FLY BY

## INTERROGATION VALUES

MTR#	+ID	V <sub>x</sub>	V <sub>y</sub>	DIR	R	θ	-ID/DP	C	T	TURB
	1.97	-0.035	+0.005	182			-1.99	3.87	18.23	6.2
	16.70	+0.02	-0.005	277			76.82	2.95	18.32	0.0
	9.95	-0.5	-0.025	42			30.67	6.67	17.88	-1.2

BATTERY	BM TO DPTH	BM TO WL	DPTH	DK DPTH	CALC SALT
43 - 11.76					
TERY					top
22-12.49		211cm			bot

ROGATION TIME 0825

METERS OUT OF WATER: Probe 1 \_\_\_\_\_ Probe 2 \_\_\_\_\_ Probe 3 \_\_\_\_\_

OLD CASSETTE REMOVED ~0810
 CASSETTE LABEL: CE 82 18 14 ← write A or B  
                             Station Number    Start Month  
                             (2 digits)        (2 digits)

 TAPE IN CORRECTLY? ☒ DID YOU WRITE THE CORRECT INFORMATION ON THE CASSETTE  
 AND DID YOU CLOSE THE LATCH? ☒
RECORDER RESET 0830

ALL METERS SUBMERGED: Probe 3 \_\_\_\_\_ Probe 2 \_\_\_\_\_ Probe 1 \_\_\_\_\_

HAVE SEEN THE TAPE ADVANCE, PLEASE NOTE TIME AND DATE (SPELL MONTH): \_\_\_\_\_

0830

S (PROBLEMS WITH EQUIPMENT, ETC.):

READING:

TIME OBSERVED:



SAN PABLO - CHIPPS ISLAND

AL C12 DATA LOGGER CHECK SHEETON (spell out) Benin \* STATION NUMBER\* 3CALENDAR DATE: MONTH (spell out) June \* DAY 20 \* YEAR 80ARRIVAL TIME 0600 DEPARTURE TIME 0705

ve blank)

ACCOMPLISHED ON THIS STATION VISIT: Fly Bay *This one is wrong!*

## INTERROGATION VALUES

MTR#	+ID	V <sub>x</sub>	V <sub>y</sub>	DIR	R	θ	-ID/DP	C	T	TURB
	15.12	-0.30	-0.15	183 <del>190</del>			14.95	7.85	18.57	39 + <del>31</del>
	5.0	+0.80	-0.50	87			-5.02	12.05	18.51	10.0
	5.58	+0.9	+0.4	48			31.06	6.42	19.24	3.3

BATTERY	BM TO DPTH	BM TO WL	DPTH	DK DPTH	CALC SALT
TERY					top
27-11.6%		238m			bot

OGATION TIME 0650

METERS OUT OF WATER: Probe 1 \_\_\_\_\_ Probe 2 \_\_\_\_\_ Probe 3 \_\_\_\_\_

OLD CASSETTE REMOVED ~ 0615
 CASSETTE LABEL: \* CE 03 18 \* A ← write A or B  
 Station Number (2 digits) Start Month (2 digits)

 TAPE IN CORRECTLY? ☒ DID YOU WRITE THE CORRECT INFORMATION ON THE CASSETTE  
 AND DID YOU CLOSE THE LATCH? ☒
ECORDER RESET 0700

LL METERS SUBMERGED: Probe 3 \_\_\_\_\_ Probe 2 \_\_\_\_\_ Probe 1 \_\_\_\_\_

HAVE SEEN THE TAPE ADVANCE, PLEASE NOTE TIME AND DATE (SPELL MONTH): \_\_\_\_\_

0700 ~ above
 S (PROBLEMS WITH EQUIPMENT, ETC.): Yes, Note battery - in  
 old battery (new one bad). We will  
 replace in a few days.

READING: \_\_\_\_\_ TIME OBSERVED: \_\_\_\_\_



SAN PABLO - CHIPPS ISLAND

AL

DATA LOGGER CHECK SHEET

ON (spell out) PORT CHICAGO \* STATION NUMBER\* 4CALENDAR DATE: MONTH (spell out) JUNE \* DAY 19 \* YEAR 1980ARRIVAL TIME 1630 DEPARTURE TIME 1735

ve blank)

ACCOMPLISHED ON THIS STATION VISIT: Fly By

## INTERROGATION VALUES

	MTR#	+ID	V <sub>x</sub>	V <sub>y</sub>	DIR	R	θ	-ID/DP	C	T	TURB
P		5.9	+14	-0.54	190			-5.93	.35	20.24	160?
D		3.01	±0	±0	260			-3.01	0.36	20.08	-0.4?
T		10.98	0.01	+3.0	15			35.09	0.36	20.34	11.5

*is this real? - The float*

BATTERY	BM TO DPTH	BM TO WL	DPTH	DK DPTH	CALC SALT
76 - 12.74		172 cm			top
					bot

ROGATION TIME 1706

METERS OUT OF WATER: Probe 1 \_\_\_\_\_ Probe 2 \_\_\_\_\_ Probe 3 \_\_\_\_\_

OLD CASSETTE REMOVED 1650CASSETTE LABEL: CE 04 18 A ← write A or B  
Station Number (2 digits) Start Month (2 digits)TAPE IN CORRECTLY? ☒ ☒DID YOU WRITE THE CORRECT INFORMATION ON THE CASSETTE AND DID YOU CLOSE THE LATCH? ☒RECORDER RESET 1700

ALL METERS SUBMERGED: Probe 3 \_\_\_\_\_ Probe 2 \_\_\_\_\_ Probe 1 \_\_\_\_\_

I HAVE SEEN THE TAPE ADVANCE, PLEASE NOTE TIME AND DATE (SPELL MONTH): 1700 -S (PROBLEMS WITH EQUIPMENT, ETC.): Note run set at 1. I left it unchanged as Cassette removed.started about 1715 so you could see it. I don't know

READING: \_\_\_\_\_ TIME OBSERVED: \_\_\_\_\_



SAN PABLO - CHIPPS ISLAND

AL

DATA LOGGER CHECK SHEET

ON (spell out)

CHIPPS IS.

\* STATION NUMBER\*

5

. CALENDAR DATE: MONTH (spell out)

JUNE

\* DAY

19

\* YEAR

80

. ARRIVAL TIME

~ 4:25 1500

DEPARTURE TIME

ve blank)

ACCOMPLISHED ON THIS STATION VISIT:

Fly By ~

## INTERROGATION VALUES

MTR#	+ID	V <sub>x</sub>	V <sub>y</sub>	DIR	R	θ	-ID/DP	C	T	TURB
	18.0	-					-17.98			12.5
	<del>12.75</del>	2.25	-.4	220			<del>12.69</del>	.23	20.35	10.6
	6.25	-.54	-.14	80			-8.07	0.24	19.9	10.0
	12.06	+ .80	+ .20	165			22.17	.24	19.7	24.0

BATTERY

BM TO DPTH

BM TO WL

DPTH

DK DPTH

CALC SALT

TERTY

15 - 12.69

No BM to depth - too wiffy

top  
bot

ROGATION TIME

1540

METERS OUT OF WATER:

Probe 1

Probe 2

Probe 3

OLD CASSETTE REMOVED

1520

CASSETTE LABEL:

CE

05

18

A

← write A or B

Station Number

Start Month

(2 digits)

(2 digits)

TAPE IN CORRECTLY?

☐ ☒DID YOU WRITE THE CORRECT INFORMATION ON THE CASSETTE  
AND DID YOU CLOSE THE LATCH?☒

RECORDER RESET

1530

ALL METERS SUBMERGED:

Probe 3

Probe 2

Probe 1

I HAVE SEEN THE TAPE ADVANCE, PLEASE NOTE TIME AND DATE (SPELL MONTH):

1530

Yes. We saw it @ 1600 to

IS (PROBLEMS WITH EQUIPMENT, ETC.):

AGAIN, MAY BE GARBAGE AT START  
OF RECORD ~

Rolling badly...

Ebb just about over, water level low

READING:

TIME OBSERVED:



SAN FABLO - CHIPPS ISLAND

AL

DATA LOGGER CHECK SHEET

ON (spell out) GRIZZLY BAY \* STATION NUMBER\* 6CALENDAR DATE: MONTH (spell out) JUNE \* DAY -19 \* YEAR 80ARRIVAL TIME 1325 DEPARTURE TIME 1415

ve blank)

ACCOMPLISHED ON THIS STATION VISIT: Fly By

## INTERROGATION VALUES

	MTR#	+ID	V <sub>x</sub>	V <sub>y</sub>	DIR	R	θ	-ID/DP	C	T	TURB
P		13.12						-1308	1.80	14.95	11.1
D											
T											

BATTERY	BM TO DPTH	BM TO WL	DPTH	DK DPTH	CALC SALT
76-12.69					top
					bot

ROGATION TIME 1350

METERS OUT OF WATER: Probe 1 \_\_\_\_\_ Probe 2 \_\_\_\_\_ Probe 3 \_\_\_\_\_

OLD CASSETTE REMOVED ~ 1355
 CASSETTE LABEL: CE 06 18 A ← write A or B  
                                     Station Number    Start Month  
                                     (2 digits)        (2 digits)

 TAPE IN CORRECTLY? ☒ DID YOU WRITE THE CORRECT INFORMATION ON THE CASSETTE  
 AND DID YOU CLOSE THE LATCH? ☒
RECORDER RESET 1400

ALL METERS SUBMERGED: Probe 3 \_\_\_\_\_ Probe 2 \_\_\_\_\_ Probe 1 \_\_\_\_\_

I HAVE SEEN THE TAPE ADVANCE, PLEASE NOTE TIME AND DATE (SPELL MONTH): above1400

AS (PROBLEMS WITH EQUIPMENT, ETC.):

There may be garbage at start of tape  
 started to record @ 1358 or so — I loaded  
 forward a bit then reset @ 1400,

READING: \_\_\_\_\_ TIME OBSERVED: no clock today



(spell out) SAN PABLO STATION NUMBER 1

END DATE: MONTH (spell out) JULY DAY 2 YEAR 1970

ARRIVAL TIME 10:00 DEPARTURE TIME 11:00

(blank)

COMPLETED ON THIS STATION VISIT: PULL OUT INSTRUMENTS

INTERROGATION VALUES

MTR#	+ID	V <sub>y</sub>	V <sub>x</sub>	DIR	R	θ	-ID/DP	C	T	TURB

ERY	BM TO DPTH	BM TO WL	DPTH	DK DPTH	CALC SALT
FRY					top
					bot

ATION TIME 10:00

AS OUT OF WATER: Probe 1 10:00 Probe 2 10:00 Probe 3 10:00

CASSETTE REMOVED 10:00 last record on tape

TE LABEL: CE 01 18 G ← write A or B  
 Station Number (2 digits) Start Month (2 digits)

E IN CORRECTLY? ☒ DID YOU WRITE THE CORRECT INFORMATION ON THE CASSETTE AND DID YOU CLOSE THE LATCH? ☐

DER RESET 10:00

ETERS SUBMERGED: Probe 3 10:00 Probe 2 10:00 Probe 1 10:00

E SEEN THE TAPE ADVANCE, PLEASE NOTE TIME AND DATE (SPELL MONTH): 10:00 JULY 1970

ROBLEMS WITH EQUIPMENT, ETC.): NOTE. I measured to top water mark  
I got 580 cm to Trawl Mark  
TAKE OUT RECORDER # 6338207

All tape used up! Something wrong

ING: 10:00 TIME OBSERVED: 11:00



STATION NUMBER

CALENDAR DATE: MONTH (spell out) DAY YEAR

ARRIVAL TIME DEPARTURE TIME

blank)

COMPLETED ON THIS STATION VISIT: TOOK OUT INSTRUMENTS

INTERROGATION VALUES

MTR#	+ID	V <sub>x</sub>	V <sub>y</sub>	DIR	R	θ	-ID/DP	C	T	TURB

STATION	BM TO DPTH	BM TO WL	DPTH	DK DPTH	CALC SALT
					top
					bot

ATION TIME

ERS OUT OF WATER: Probe 1 Probe 2 Probe 3

CASSETTE REMOVED 1325 @ last record @ 1300

ETTE LABEL: CE 02 18 B ← write A or B  
Station Number (2 digits) Start Month (2 digits)

APE IN CORRECTLY? ☒ DID YOU WRITE THE CORRECT INFORMATION ON THE CASSETTE AND DID YOU CLOSE THE LATCH? ☐

ORDER RESET

METERS SUBMERGED: Probe 3 Probe 2 Probe 1

VE SEEN THE TAPE ADVANCE, PLEASE NOTE TIME AND DATE (SPELL MONTH):

ROBLEMS WITH EQUIPMENT, ETC.): TAKE OUT RECORDER CALLED 'PORT CHICAGO'  
LOTS OF FOULING  
See Book for measurements.

DING: TIME OBSERVED:



1	12.3	
2	12.3	Bottom of the sediment
3	12.3	
4	12.3	
5	12.3	
6	12.3	
7	12.3	Bottom of the sediment
8	12.3	
9	12.3	
10	12.3	Bottom of the sediment



# DATA SHEET FOR F-100

(spell out) \_\_\_\_\_ \* STATION NUMBER\* \_\_\_\_\_

LENDAR DATE: MONTH (spell out) \_\_\_\_\_ \* DAY \_\_\_\_\_ \* YEAR \_\_\_\_\_

ARRIVAL TIME \_\_\_\_\_ DEPARTURE TIME \_\_\_\_\_

blank)

COMPLETED ON THIS STATION VISIT: PULL OUT INSTRUMENTS

## INTERROGATION VALUES

MTR#	+ID	V <sub>x</sub>	V <sub>y</sub>	DIR	R	θ	-ID/DP	C	T	TURB

ERY	BM TO DPTH	BM TO WL	DPTH	DK DPTH	CALC SALT
FRY					top
					bot

TION TIME \_\_\_\_\_

RS OUT OF WATER: Probe 1 \_\_\_\_\_ Probe 2 \_\_\_\_\_ Probe 3 \_\_\_\_\_

CASSETTE REMOVED 1625 (2nd run 1600)

TE LABEL: CE 03 18 \* B ← write A or B  
Station Number (2 digits) Start Month (2 digits)

IN CORRECTLY? ☒ DID YOU WRITE THE CORRECT INFORMATION ON THE CASSETTE AND DID YOU CLOSE THE LATCH? ☐

DER RESET \_\_\_\_\_

STERS SUBMERGED: Probe 3 \_\_\_\_\_ Probe 2 \_\_\_\_\_ Probe 1 \_\_\_\_\_

E SEEN THE TAPE ADVANCE, PLEASE NOTE TIME AND DATE (SPELL MONTH): \_\_\_\_\_

ROBLEMS WITH EQUIPMENT, ETC.): TAKE OUT RECORDER CALLED  
'SPARE RECORDER'

ING: \_\_\_\_\_ TIME OBSERVED: \_\_\_\_\_



105.0  
105.0

104.0

5 75.0

6 30.5 Bottom of 1st meter

2 117.0

8 113.6

7 34.2 Bottom of 2nd meter

10 110.1

11 103.4

12 95.7

13 110.3 Bottom of 3rd meter

14

15



# DATA LOG SHEET

NAME (spell out) \_\_\_\_\_ \* STATION NUMBER\* \_\_\_\_\_  
 CALENDAR DATE: MONTH (spell out) July \* DAY 3 \* YEAR 1983  
 ARRIVAL TIME 1535 DEPARTURE TIME \_\_\_\_\_

(leave blank)

ACCOMPLISHED ON THIS STATION VISIT:

REMOVE EQUIPMENT EXCEPT  
STANDOFF CABLES ANCHOR

## INTERROGATION VALUES

MTR#	+ID	V <sub>x</sub>	V <sub>y</sub>	DIR	R	θ	-ID/DP	C	T	TURB

BATTERY	BM TO DPTH	BM TO WL	DPTH	DK DPTH	CALC SALT
-					
BATTERY					top
-					bot

LOGGATION TIME

NO Blue Box

METERS OUT OF WATER: Probe 1 \_\_\_\_\_ Probe 2 \_\_\_\_\_ Probe 3 \_\_\_\_\_

TAPE CASSETTE REMOVED

1535

CASSETTE LABEL:

CE 04 18  
 Station Number Start Month  
 (2 digits) (2 digits)

B ← write A or B

TAPE IN CORRECTLY?



DID YOU WRITE THE CORRECT INFORMATION ON THE CASSETTE  
 AND DID YOU CLOSE THE LATCH? ☐

RECORD RESET

WATER METERS SUBMERGED: Probe 3 \_\_\_\_\_ Probe 2 \_\_\_\_\_ Probe 1 \_\_\_\_\_

HAVE YOU SEEN THE TAPE ADVANCE, PLEASE NOTE TIME AND DATE (SPELL MONTH): \_\_\_\_\_

(PROBLEMS WITH EQUIPMENT, ETC.):

POWER DOWN 1530

READING: \_\_\_\_\_ TIME OBSERVED: \_\_\_\_\_



STATION NAME: \_\_\_\_\_  
 DATE: \_\_\_\_\_

Spell out: \_\_\_\_\_ \* STATION NUMBER: \_\_\_\_\_  
 LENDAR DATE: MONTH (spell out) 3 July \* DAY 3 \* YEAR 1982  
 ARRIVAL TIME 1305 DEPARTURE TIME \_\_\_\_\_

blank)

COMPLISHED ON THIS STATION VISIT:

Remove SYSTEM EXCEPT FOR  
HARDWARE

INTERROGATION VALUES

MTR#	+ID	V <sub>x</sub>	V <sub>y</sub>	DIR	R	θ	-ID/DP	C	T	TURB

ERY	BM TO DPTH	BM TO WL	DPTH	DK DPTH	CALC SALT
					top
					bot

TION TIME

NO Blue Box readings

RS OUT OF WATER: Probe 1 \_\_\_\_\_ Probe 2 \_\_\_\_\_ Probe 3 \_\_\_\_\_

CASSETTE REMOVED

1325

TE LABEL: \* CE 05 18 \* B ← write A or B  
 Station Number (2 digits) Start Month (2 digits)

E IN CORRECTLY?



DID YOU WRITE THE CORRECT INFORMATION ON THE CASSETTE  
 AND DID YOU CLOSE THE LATCH? ☐

DER RESET

ETERS SUBMERGED: Probe 3 \_\_\_\_\_ Probe 2 \_\_\_\_\_ Probe 1 \_\_\_\_\_

E SEEN THE TAPE ADVANCE, PLEASE NOTE TIME AND DATE (SPELL MONTH): \_\_\_\_\_

ROBLEMS WITH EQUIPMENT, ETC.):

Power Down 1320

ING: \_\_\_\_\_ TIME OBSERVED: \_\_\_\_\_



Instrument Change or Data Interrupt Sheets



CORPS OF ENGINEERS PROJECT DACW07-78-0049

SAN PABLO BAY - CHIPPS ISLAND

NOTICE OF INSTRUMENT CHANGE OR DATA INTERRUPT

DATE: 21 March 79

STATION: Port Chicago (#4)

INSTRUMENT PACKAGES INVOLVED: *old removed: 6271018 (I.D. 1.2)*  
*new replaced: 6271020 (ID 1.6)*

DATE OF CHANGE: 21 March 79

NATURE OF CHANGE OR DATA INTERRUPT (INCLUDE ALL TIMES):

*bad depth sensor on old meter  
recorder NOT turned off during operations  
meters up ~ 1300, back down ~ 1500.*

*(Went back to change meter)*

*1300 = 2100 GMT*

*1500 = 2300 GMT*

*first good record @ 2300 80 1979*

*012.*



CORPS OF ENGINEERS PROJECT DACW07-78-0049

SAN PABLO BAY - CHIPPS ISLAND

NOTICE OF INSTRUMENT CHANGE OR DATA INTERRUPT

DATE: 21 March 79

STATION: Carquinez Straits (#2)

INSTRUMENT PACKAGES INVOLVED: old & new: no. 6271007 (I.D. 1.c)

DATE OF CHANGE: 21 March 79

NATURE OF CHANGE OR DATA INTERRUPT (INCLUDE ALL TIMES):

Bad depth sensor on meter; repaired and  
back down.

meters up ~ 1600 & back down ~ 1800.

was the recorder turned off? (No)



CORPS OF ENGINEERS PROJECT DACW07-78-0049

SAN PABLO BAY - CHIPPS ISLAND

NOTICE OF INSTRUMENT CHANGE OR DATA INTERRUPT

~~DATE: 19 April 1979~~

STATION: Carquinez Strait - Station #2

INSTRUMENT PACKAGES INVOLVED: Old: 6271010 new: 6271018

DATE OF CHANGE: 19 April 1979

NATURE OF CHANGE OR DATA INTERRUPT (INCLUDE ALL TIMES):

Meters changed because of bad turbidity sensor

I.D. old: +1.4

I.D. new: +1.2

(readjusted turbidity sensor on new meter before re-installing in water)



SAN FRANCISCO - CHIPS ISLAND

DATA LOGGING CHECK SHEET

STATION (spell out) \_\_\_\_\_ STATION NUMBER \_\_\_\_\_

CALIFORNIA

CALENDAR DATE: MONTH (spell out) \_\_\_\_\_ DAY \_\_\_\_\_ YEAR \_\_\_\_\_

CALIFORNIA ARRIVAL TIME \_\_\_\_\_

DEPARTURE TIME 1730

(leave blank)

RECORDER'S SIGNATURE \_\_\_\_\_

TASKS ACCOMPLISHED ON THIS STATION VISIT

- |  |   |
|--|---|
| 1) Visual Inspection <input checked="" type="checkbox"/> | 2) Instrument Check <input type="checkbox"/>          |
| 3) Tape Change <input type="checkbox"/>                  | 4) Battery Change <input checked="" type="checkbox"/> |
| 5) Damage Repair <input type="checkbox"/>                | 6) Other _____  |

INTERROGATION VALUES

	ZERO	+BATT	-BATT	+ID	V <sub>x</sub>	V <sub>y</sub>	DIR	-ID/DEPTH	C	T	Tr
PROBE 1 (top)											
PROBE 2 (mid)											
PROBE 3 (bottom)											

INTERROGATION TIME \_\_\_\_\_

TIME METERS OUT OF WATER: Probe 1 \_\_\_\_\_ Probe 2 \_\_\_\_\_ Probe 3 \_\_\_\_\_

TIME OLD CASSETTE REMOVED \_\_\_\_\_

OLD CASSETTE LABEL: ☐ C ☐ E ☐ \_\_\_\_\_ ☐ \_\_\_\_\_  
 ↑ Station Number (2 digits) ↑ Start Month (2 digits) ← Write A or B

IS NEW TAPE IN CORRECTLY? ☒ DID YOU WRITE THE CORRECT INFORMATION

ON BOTH TAPE CASSETTES? ☐ DID YOU CLOSE THE LATCH? ☐

TIME RECORDER RESET 1730

TIME ALL METERS SUBMERGED: Probe 3 \_\_\_\_\_ Probe 2 \_\_\_\_\_ Probe 1 \_\_\_\_\_

IF YOU HAVE SEEN THE TAPE ADVANCE, PLEASE NOTE TIME AND DATE (spell month):

REMARKS (problems with equipment, etc.):

Station 1000  
Probe 1 1000  
Probe 2 1000  
Probe 3 1000



## DATA LOGGER CHECK SHEET

all OK



PAN FIDUC - CHIPS ISLAND

DATA LOGGER CHECK SHEET

STATION (spell out) CHIPS ISLAND STATION NUMBER 2

CALIFORNIA

CALENDAR DATE: MONTH (spell out) April DAY 5 YEAR 1981

CALIFORNIA ARRIVAL TIME 1715

DEPARTURE TIME \_\_\_\_\_

(leave blank)

RECORDER'S SIGNATURE [Signature]

TASKS ACCOMPLISHED ON THIS STATION VISIT

- |   |   |
|---|---|
| 1) Visual Inspection <input type="checkbox"/> | 2) Instrument Check <input checked="" type="checkbox"/> |
| 3) Tape Change <input type="checkbox"/>       | 4) Battery Change <input checked="" type="checkbox"/>   |
| 5) Damage Repair <input type="checkbox"/>     | 6) Other _____  |

INTERROGATION VALUES

	ZERO	+BATT	-BATT	+ID	V <sub>x</sub>	V <sub>y</sub>	DIR	-ID/DEPTH	C	T	Tr
PROBE 1 (top)		1.2	12.5	0.2	1.1	1.3	1.0	0.2	1.0	1.0	1.0
PROBE 2 (mid)				1.2	1.1	1.1	1.0	1.2	1.0	1.0	1.0
PROBE 3 (bottom)				1.0	1.1	1.1	1.0	1.2	1.0	1.0	1.0

INTERROGATION TIME 015

TIME METERS OUT OF WATER: Probe 1 \_\_\_\_\_ Probe 2 \_\_\_\_\_ Probe 3 \_\_\_\_\_

TIME OLD CASSETTE REMOVED \_\_\_\_\_

OLD CASSETTE LABEL: \* C E                      ← write A or B  
 ↑ Station Number (2 digits) ↑ Start Month (2 digits)

IS NEW TAPE IN CORRECTLY? ☒ DID YOU WRITE THE CORRECT INFORMATION

ON BOTH TAPE CASSETTES? \* ☐ DID YOU CLOSE THE LATCH? ☐

TIME RECORDER RESET \_\_\_\_\_

TIME ALL METERS SUBMERGED: Probe 3 \_\_\_\_\_ Probe 2 \_\_\_\_\_ Probe 1 \_\_\_\_\_

IF YOU HAVE SEEN THE TAPE ADVANCE, PLEASE NOTE TIME AND DATE (spell month):

1.5 record on old tape

REMARKS (problems with equipment, etc.): Continued at station 16

Continued at station 16

Continued at station 16



CORPS OF ENGINEERS PROJECT DACW07-78-0049

SAN PABLO BAY - CHIPPS ISLAND

NOTICE OF INSTRUMENT CHANGE OR DATA INTERRUPT

DATE: 26 April 79

STATION: Carquinez Sts (# 2)

INSTRUMENT PACKAGES INVOLVED:

old: recorder 6330226  
new " 6330223

DATE OF CHANGE: 26 April 79

NATURE OF CHANGE OR DATA INTERRUPT (INCLUDE ALL TIMES):

No data interrupt except  
old recorder was eating  
batteries for breakfast, lunch,  
& dinner & little tape  
used up.

old tape used



CORPS OF ENGINEERS PROJECT DACW07-78-0049

SAN PABLO BAY - CHIPPS ISLAND

NOTICE OF INSTRUMENT CHANGE OR DATA INTERRUPT

DATE: 2 May, 1979

STATION: San Pablo #1

INSTRUMENT PACKAGES INVOLVED:

DATE OF CHANGE: 2 May, 1979

NATURE OF CHANGE OR DATA INTERRUPT (INCLUDE ALL TIMES):

Removed old Cassette 29/28 P.D.T.  
Changed batteries - voltages looked good in old set.



SAN PABLO - CHIPS ISLAND

DATA LOGGER CHECK SHEET

STATION (spell out) Port Chicago \* STATION NUMBER \* 4  
 CALIFORNIA  
 CALENDAR DATE: MONTH (spell out) May \* DAY 7 \* YEAR 1979  
 CALIFORNIA ARRIVAL TIME 1235  
 DEPARTURE TIME 1212

(leave blank)

RECORDER'S SIGNATURE Orlin Glasgow

## TASKS ACCOMPLISHED ON THIS STATION VISIT

1) Visual Inspection ☒3) Tape Change ☐5) Damage Repair ☐2) Instrument Check ☒4) Battery Change ☐6) Other un-twist wire cablemobile meter

## INTERROGATION VALUES

*after read 2X, 1225*

	ZERO	+BATT	-BATT	+ID	V <sub>x</sub>	V <sub>y</sub>	DIR	-ID/DEPTH	C	T	Tr
PROBE 1 (top)			12.5	-6.9	-1.19	-7.2	339	6.9	7.0	16.35	7.6
PROBE 2 (mid)				2.6				-5.2	7.03		
PROBE 3 (bottom)				15.8	.95	-20	104	32.8	7.29	16.35	10.0

INTERROGATION TIME

(last "good" reading at 0930) 1145

TIME METERS OUT OF WATER:

Probe 1 0950Probe 2 1215Probe 3 0120

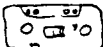
TIME OLD CASSETTE REMOVED

OLD CASSETTE LABEL: \*

C E

↑ Station Number  
(2 digits)↑ Start Month  
(2 digits)

IS NEW TAPE IN CORRECTLY?



DID YOU WRITE THE CORRECT INFORMATION

ON BOTH TAPE CASSETTES? \*



DID YOU CLOSE THE LATCH?



TIME RECORDER RESET

1200

TIME ALL METERS SUBMERGED:

Probe 3 1105Probe 2 1120Probe 1 1135

IF YOU HAVE SEEN THE TAPE ADVANCE, PLEASE NOTE TIME AND DATE (spell month):

REMARKS (problems with equipment, etc.):

- ID on mobile meter  
 jumping around, conductivity bad. old ID = 1  
 old mobile meter → new ID = 1.4  
 10% error reading readings at 1200 - 1215



CORPS OF ENGINEERS PROJECT DACW07-78-0049

SAN PABLO BAY - CHIPPS ISLAND

NOTICE OF INSTRUMENT CHANGE OR DATA INTERRUPT

DATE: 7 May

STATION: Port Chicago

INSTRUMENT PACKAGES INVOLVED: mid meter

DATE OF CHANGE: 7 May

NATURE OF CHANGE OR DATA INTERRUPT (INCLUDE ALL TIMES):

meter change - mid old ID = .1 #6271008

at @ 1020 (

new ID = 14 #6271010

last "good" reading (cefox meters out of water)  
at 0930



CORPS OF ENGINEERS PROJECT DACW07-78-0049

SAN PABLO BAY - CHIPPS ISLAND

NOTICE OF INSTRUMENT CHANGE OR DATA INTERRUPT

DATE: 19 Sept. 79

STATION: 2, Corquinez

INSTRUMENT PACKAGES INVOLVED: mid-meter

DATE OF CHANGE: 17 May 79

NATURE OF CHANGE OR DATA INTERRUPT (INCLUDE ALL TIMES):

old meter: ID = 1.2 #18

new meter: ID = 0.1 #9



## DATA LOGGER CHECK SHEET

RKS (problems with equipment, etc.): ~~the~~ recorder off at 0915  
recorder on 1100 - first usable record at  
~~1130~~ 1200 hrs. meter change - mid from 13 to  
18 (I.D. 1.2)



CORPS OF ENGINEERS PROJECT DACW07-78-0049

SAN PABLO BAY - CHIPPS ISLAND

NOTICE OF INSTRUMENT CHANGE OR DATA INTERRUPT

DATE: 8 June 79  
STATION: San Pablo (#1)  
INSTRUMENT PACKAGES INVOLVED: current meter (old) # 13  
" " (new) # 18 (ID 1.2)  
DATE OF CHANGE: 8 June 79  
NATURE OF CHANGE OR DATA INTERRUPT (INCLUDE ALL TIMES):

bulkhead  
connector on probe system  
has pin broken - Cable is  
OK.



CORPS OF ENGINEERS PROJECT DACW07-78-0049

SAN PABLO BAY - CHIPPS ISLAND

NOTICE OF INSTRUMENT CHANGE OR DATA INTERRUPT

DATE:

15 June 79

STATION:

Pt Chicago

INSTRUMENT PACKAGES INVOLVED:

Recorder changed from 6330226  
to 6330227

DATE OF CHANGE:

14 June 1979

NATURE OF CHANGE OR DATA INTERRUPT (INCLUDE ALL TIMES):

old Recorder craps out after couple  
days - will not advance tape  
- batteries are OK! -



CORPS OF ENGINEERS PROJECT DACW07-78-0049

SAN PABLO BAY - CHIPPS ISLAND

NOTICE OF INSTRUMENT CHANGE OR DATA INTERRUPT

DATE:

*June 7-9*

STATION:

*Chicago*

INSTRUMENT PACKAGES INVOLVED:

*Recorder changed from 6330226 to 6330227*

DATE OF CHANGE:

*14 June 1979*

NATURE OF CHANGE OR DATA INTERRUPT (INCLUDE ALL TIMES):

*old Recorder craps out after couple  
days - will not advance tape  
- batteries are OK! -*



CORPS OF ENGINEERS PROJECT DACW07-78-0049

SAN PABLO BAY - CHIPPS ISLAND

NOTICE OF INSTRUMENT CHANGE OR DATA INTERRUPT

DATE: 2 JULY 1979 , Monday

STATION: NO. 4 - PORT CHICAGO BEACON 19

INSTRUMENT PACKAGES INVOLVED:

DATE OF CHANGE: 2 JULY 1979

NATURE OF CHANGE OR DATA INTERRUPT (INCLUDE ALL TIMES):

P. Carpenter climbed into tower  
and changed data cassette.  
His comments are as follows.

Old cassette taken out @ 0905  
Recorder not touched (!)

First record on new tape should  
be at 0930.

This cassette is known as

ce 0407-a 1



## DATA LOGGER CHECK SHEET

DEPARTURE TIME

RECORDER'S SIGNATURE *PC*

6) Other Last Change

[illegible]

INTERROGATION TIME

TIME METERS OUT OF WATER:   Probe 1                      Probe 2                      Probe 3

TIME OLD CASSETTE REMOVED Turned off 10/10

OLD CASSETTE LABEL: \* 

C E		
-----	--	--

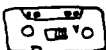
 . 

--

 ← write A or B

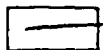
↑ Station Number    ↑ Start Month  
(2 digits)            (2 digits)

IS NEW TAPE IN CORRECTLY?



DID YOU WRITE THE CORRECT INFORMATION

ON BOTH TAPE CASSETTES? \*



DID YOU CLOSE THE LATCH?



TIME RECORDER RESET 1200 July 2 79

TIME ALL METERS SUBMERGED: Probe 3 1205 Probe 2 1215 Probe 1 1228

IF YOU HAVE SEEN THE TAPE ADVANCE, PLEASE NOTE TIME AND DATE (spell month):  
1000 1200 July 2 79 1st usable record 1230

REMARKS (problems with equipment, etc.):

REMARKS (problems with equipment, etc.):  
#2 probe hooked to cable #1 & Visa Versa  
#1 probe came up flooded - broken current probe shaft  
(#12, ID 1.7 changed to #13, code 0.8



CORPS OF ENGINEERS PROJECT DACW07-78-0049

SAN PABLO BAY - CHIPPS ISLAND

NOTICE OF INSTRUMENT CHANGE OR DATA INTERRUPT

DATE: 2 JULY 1977

STATION: CHIPPS ISLAND STATION 5

INSTRUMENT PACKAGES INVOLVED:

DATE OF CHANGE: 2 JULY 1977

NATURE OF CHANGE OR DATA INTERRUPT (INCLUDE ALL TIMES):

REMOVE CASSETTE

0930 - LAST DATA RECORD ON TAPE

-ve I.D. } ALL WRONG -

Temp -

Turbidity

Conductivity

1045 - First Sensor up - Current Probe fell out instrument bucket 120.

Recorder Turned off @ 1010 - Change Batteries -



CORPS OF ENGINEERS PROJECT DACW07-78-0049

SAN PABLO BAY - CHIPPS ISLAND

NOTICE OF INSTRUMENT CHANGE OR DATA INTERRUPT

DATE: 19 JULY 1979

STATION: CHIPPS ISLAND: NUMBER 5

INSTRUMENT PACKAGES INVOLVED: PROBE 3

DATE OF CHANGE: 18 JULY 1979

NATURE OF CHANGE OR DATA INTERRUPT (INCLUDE ALL TIMES):

Probe 3 was removed. A probe which had been in use at San Pablo was substituted.

The old probe is serial number 6271 019 (ID: 0.9)

The new probe (from San Pablo at mid-depth) is serial number 6271 018 (ID: 1.2)



CORPS OF ENGINEERS PROJECT DACW07-78-0049

SAN PABLO BAY - CHIPPS ISLAND

NOTICE OF INSTRUMENT CHANGE OR DATA INTERRUPT

DATE: 19 JULY 1979

STATION: SAN PABLO : NUMBER 1

INSTRUMENT PACKAGES INVOLVED: PROBE 2

DATE OF CHANGE: 17 JULY 1979

NATURE OF CHANGE OR DATA INTERRUPT (INCLUDE ALL TIMES):

Probe 2 was exchanged. This probe was moved to Chipps on 18 JULY to go on the bottom there (since it had a pressure sensor). The old San Pablo probe and the new Chipps probe is serial number 6271018 (I.D.: 1.2).

The new probe 2, here at San Pablo is serial number 6271012 (I.D.: 1.7 volt).

There was no interruption to the data stream. Tapes were changed during a regular monthly service.



CORPS OF ENGINEERS PROJECT DACW07-78-0049

SAN PABLO BAY - CHIPPS ISLAND

NOTICE OF INSTRUMENT CHANGE OR DATA INTERRUPT

DATE: 19 JULY 1979

STATION: PORT CHICAGO, NUMBER 4

INSTRUMENT PACKAGES INVOLVED: DATA RECORDER

DATE OF CHANGE: 13 July 1979

NATURE OF CHANGE OR DATA INTERRUPT (INCLUDE ALL TIMES):

*Change Recorder. New recorder  
is serial number 6330226.*

*Records prior to this are (probably)  
not good.*



CORPS OF ENGINEERS PROJECT DACW07-78-0049

SAN PABLO BAY - CHIPPS ISLAND

NOTICE OF INSTRUMENT CHANGE OR DATA INTERRUPT

DATE: 6 AUGUST, 1979

STATION: PORT CHICAGO #4

INSTRUMENT PACKAGES INVOLVED: 1 AND 3

DATE OF CHANGE: ABOVE

NATURE OF CHANGE OR DATA INTERRUPT (INCLUDE ALL TIMES):

Prober 1 and 3 at Port Chicago  
were found to have broken seals at  
the current sensor. These are  
removed from record sent at 2030.



CORPS OF ENGINEERS PROJECT DACW07-78-0049

SAN PABLO BAY - CHIPPS ISLAND

NOTICE OF INSTRUMENT CHANGE OR DATA INTERRUPT

DATE: 23 AUGUST 1979

STATION: 4, PORT CHICAGO

INSTRUMENT PACKAGES INVOLVED:

DATE OF CHANGE: 23 AUGUST 1979

NATURE OF CHANGE OR DATA INTERRUPT (INCLUDE ALL TIMES):

*Bottom probe here was installed.*

*The serial number probably is 6271019 (ID=0.9)\**

*The first record from this meter  
was taken at 1930 (rec'd time).*

*There is still no Top meter here.*

*There was no bottom meter up to the  
time this one was installed.*

*\* This could be wrong. Double check I.D. value.*



CORPS OF ENGINEERS PROJECT DACW07-78-0049

SAN PABLO BAY - CHIPPS ISLAND

NOTICE OF INSTRUMENT CHANGE OR DATA INTERRUPT

DATE: 20 Sept 1979

STATION: Port Chicago

INSTRUMENT PACKAGES INVOLVED: Meter

DATE OF CHANGE: 20 Sept 1979

NATURE OF CHANGE OR DATA INTERRUPT (INCLUDE ALL TIMES):

Power interrupted to recorder @ 1200 - Wire came unattached from battery while batteries being removed from case

Top meter added (has depth sensor)

Recorder ~~was~~ reset at 1230 but clip came off battery again after 1<sup>st</sup> cycle of readings. Recorder turned off

Recorder and 1<sup>st</sup> reading at 1300 Reset + 1<sup>st</sup> reading



CORPS OF ENGINEERS PROJECT DACW07-78-0049

SAN PABLO BAY - CHIPPS ISLAND

NOTICE OF INSTRUMENT CHANGE OR DATA INTERRUPT

DATE: Sept. 20, 1979

STATION: #5 - Chipps Is.

INSTRUMENT PACKAGES INVOLVED: Recorder + battery change

DATE OF CHANGE: Sept. 20, 1979

NATURE OF CHANGE OR DATA INTERRUPT (INCLUDE ALL TIMES):

Recorder failed to advance for 0930 reading.

At 0930 I pushed load fwd. Recorder heated, clicked, and began to take up tape. After load fwd. released, recorder began to cycle through its readings. Allowed cycle to complete then turned off recorder and replaced it and batteries w/ a fresh set.

Voltage on old batteries: +9 v.

Initial reading at 1000 hrs PDT. with new-recorder and  
old tape.



CORPS OF ENGINEERS PROJECT DACW07-78-0049

SAN PABLO BAY - CHIPPS ISLAND

NOTICE OF INSTRUMENT CHANGE OR DATA INTERRUPT

DATE: 2 Oct 1979

STATION: San Pablo

INSTRUMENT PACKAGES INVOLVED: All

DATE OF CHANGE: 2 Oct 1979

NATURE OF CHANGE OR DATA INTERRUPT (INCLUDE ALL TIMES):

Last reading @ 10:30. Power off ~ 10:40  
Removed all 3 meters, recorder box and batteries for  
refitting, cleaning, antifouling paint, and recalibration. Left  
cables tied off to piling. Tape left in recorder



CORPS OF ENGINEERS PROJECT DACW07-78-0049

SAN PABLO BAY - CHIPPS ISLAND

NOTICE OF INSTRUMENT CHANGE OR DATA INTERRUPT

DATE: 2 Oct 1979

STATION: Carquinez Straits

INSTRUMENT PACKAGES INVOLVED: All

DATE OF CHANGE: 2 Oct 1979

NATURE OF CHANGE OR DATA INTERRUPT (INCLUDE ALL TIMES):

Last record @ 1230 PM. Power down = 1243  
Removed all 3 meters, recorder box and batteries. Left  
cables attached to wooden pilings. Tape left in recorder



CORPS OF ENGINEERS PROJECT DACW07-78-0049

SAN PABLO BAY - CHIPPS ISLAND

NOTICE OF INSTRUMENT CHANGE OR DATA INTERRUPT

DATE: 3 Oct 1979

STATION: Benicia

INSTRUMENT PACKAGES INVOLVED: All

DATE OF CHANGE: 3 Oct 1979

NATURE OF CHANGE OR DATA INTERRUPT (INCLUDE ALL TIMES):

Last record at 1200 P.D.T.

Removed all 3 current meters, records and  
batteries for repair + recalibration



CORPS OF ENGINEERS PROJECT DACW07-78-0049

SAN PABLO BAY - CHIPPS ISLAND

NOTICE OF INSTRUMENT CHANGE OR DATA INTERRUPT

DATE: 2 Oct 1979

STATION: Port Chicago

INSTRUMENT PACKAGES INVOLVED: All

DATE OF CHANGE: 2 Oct

NATURE OF CHANGE OR DATA INTERRUPT (INCLUDE ALL TIMES):

Lost record @ 2:30 PM Power down ~ 2:50  
Removed all 3 metres, recorder box, and batteries  
for cleaning, retrofitting, and recalibration. Left all cables  
tied up to filing. Tape left in recorder



CORPS OF ENGINEERS PROJECT DACW07-78-0049

SAN PABLO BAY - CHIPPS ISLAND

NOTICE OF INSTRUMENT CHANGE OR DATA INTERRUPT

DATE: 2 Oct 1977

STATION: Chipps Island

INSTRUMENT PACKAGES INVOLVED: ASI

DATE OF CHANGE: 2 Oct.

NATURE OF CHANGE OR DATA INTERRUPT (INCLUDE ALL TIMES):

Last record 4:00 P.M., Power off ~ 4:15. Removed all 3 meters, recorder unit and batteries for cleaning, replacement of parts, and recalibration. Tapes left in recorder.



CORPS OF ENGINEERS PROJECT DACW07-78-0049

SAN PABLO BAY - CHIPPS ISLAND

NOTICE OF INSTRUMENT CHANGE OR DATA INTERRUPT

DATE: 3 Oct 1979

STATION: Grizzley

INSTRUMENT PACKAGES INVOLVED:

All

DATE OF CHANGE: 3 Oct

NATURE OF CHANGE OR DATA INTERRUPT (INCLUDE ALL TIMES):

Last record @ 1030 P.D.T.

Removed meter, recorder unit and batteries for servicing  
meter very heavily fouled w/ several layers of barnacles  
and a fine coat of hydriox



CORPS OF ENGINEERS PROJECT DACW07-78-0049

SAN PABLO BAY - CHIPPS ISLAND

NOTICE OF INSTRUMENT CHANGE OR DATA INTERRUPT

DATE: 2 November 1979

STATION: San Pablo

INSTRUMENT PACKAGES INVOLVED: installed METERS;

DATE OF CHANGE: 2/11/79

NATURE OF CHANGE OR DATA INTERRUPT (INCLUDE ALL TIMES):

Returned station to data acquisition mode  
at 1900. After METER overhauls & calibration.



CORPS OF ENGINEERS PROJECT DACW07-78-0049

SAN PABLO BAY - CHIPPS ISLAND

NOTICE OF INSTRUMENT CHANGE OR DATA INTERRUPT

DATE: 2 November 1979

STATION: Carquinez Straights

INSTRUMENT PACKAGES INVOLVED:

INSTALLED METERS

DATE OF CHANGE: 2/11/79

NATURE OF CHANGE OR DATA INTERRUPT (INCLUDE ALL TIMES):

Returned station to data acquisition mode  
After Meter over Hauls & recalibrations  
up at 1700.



CORPS OF ENGINEERS PROJECT DACW07-78-0049

SAN PABLO BAY - CHIPPS ISLAND

NOTICE OF INSTRUMENT CHANGE OR DATA INTERRUPT

DATE: 2 November 1979

STATION: Benicia Bridge

INSTRUMENT PACKAGES INVOLVED: INSTALLED METERS

DATE OF CHANGE: 2/11/79

NATURE OF CHANGE OR DATA INTERRUPT (INCLUDE ALL TIMES):

Returned station to DATA ACQUISITION  
MODE After METER overhaul &  
recalibration.

UP AT 1300



CORPS OF ENGINEERS PROJECT DACW07-78-0049

SAN PABLO BAY - CHIPPS ISLAND

NOTICE OF INSTRUMENT CHANGE OR DATA INTERRUPT

DATE: 2 November 1979

STATION: Port Chicago

INSTRUMENT PACKAGES INVOLVED: RETER INSTALLATION

DATE OF CHANGE: 2/11/79

NATURE OF CHANGE OR DATA INTERRUPT (INCLUDE ALL TIMES):

Returned station to DATA ACQUISITION  
MODE After RETER overhaul &  
recombination

up at 1530



CORPS OF ENGINEERS PROJECT DAW07-78-0049

SAN PABLO BAY - CHIPPS ISLAND

NOTICE OF INSTRUMENT CHANGE OR DATA INTERRUPT

DATE: 2 November 1979

STATION: Chipps Island

INSTRUMENT PACKAGES INVOLVED: METER INSTALL

DATE OF CHANGE: 2/11/79

NATURE OF CHANGE OR DATA INTERRUPT (INCLUDE ALL TIMES):

Returned station to DATA  
ACQUISITION MODE After  
METER overhaul & Recalibration  
UP AT 1030



CORPS OF ENGINEERS PROJECT DACW07-78-0049

SAN PABLO BAY - CHIPPS ISLAND

NOTICE OF INSTRUMENT CHANGE OR DATA INTERRUPT

DATE: 2 November 1979

STATION: Grizzly Bay

INSTRUMENT PACKAGES INVOLVED: INSTALL METER #1C

DATE OF CHANGE: 2/11/79

NATURE OF CHANGE OR DATA INTERRUPT (INCLUDE ALL TIMES):

Attempted & failed to return station  
to data ACQUISITION MODE i.e. bad  
Sensor cable to METER.



CORPS OF ENGINEERS PROJECT DACW07-78-0049

SAN PABLO BAY - CHIPPS ISLAND

NOTICE OF INSTRUMENT CHANGE OR DATA INTERRUPT

DATE: 6 November 79

STATION: SAN PABLO

INSTRUMENT PACKAGES INVOLVED:

DATE OF CHANGE: 6 November 79

NATURE OF CHANGE OR DATA INTERRUPT (INCLUDE ALL TIMES):

Change batteries [over Low value]  
Arrive 0915 -9.5V

Clock recording:

at PNT

OLD BATTERY CHECK - -10.8  
+12.0

NEW - +12.6  
- 12.8

DOWN AT 0915  
UP AT 0930

MASTER CLOCK - 9.47

REAL TIME - 0925

RECORDING - 9.36

- 0930



CORPS OF ENGINEERS PROJECT DACW07-78-0049

SAN PABLO BAY - CHIPPS ISLAND

NOTICE OF INSTRUMENT CHANGE OR DATA INTERRUPT

DATE: 6 November 1979

STATION: Carquinez Straights

INSTRUMENT PACKAGES INVOLVED:

DATE OF CHANGE: 6 November 1979

NATURE OF CHANGE OR DATA INTERRUPT (INCLUDE ALL TIMES):

Replaced Low batteries  
+11.5V - 11.6V

PMT	C values
10:30	MC-9.57
	RC 9.57

OLD BATTERIES - 11.7  
+ 11.3

New batteries: + 12.6  
- 12.6

Down AT 1010  
UP AT 1030



CORPS OF ENGINEERS PROJECT DACW07-78-00 9

SAN PABLO BAY - CHIPPS ISLAND

NOTICE OF INSTRUMENT CHANGE OR DATA INTERRUPT

DATE: 6 November 1979

STATION: Grizzly Bay

INSTRUMENT PACKAGES INVOLVED:

DATE OF CHANGE: 6/11/79

NATURE OF CHANGE OR DATA INTERRUPT (INCLUDE ALL TIMES):

Replaced cable & returned station  
to data acquisition mode after meter  
overhaul & recalibration.

PMT	clock values
12:20	MC 9.79
	RC 9.50

New Batterys +12.9 ✓  
-12.4 ✓

+ I.D. = 1.3  
- I.D. = 1.3  
C = +10.7  
T = +15.9  
TR = +20.9

UP AT: 1230

TEMP. 16.25°C  
Salinity #139



CORPS OF ENGINEERS PROJECT DACW07-78-0049

SAN PABLO BAY - CHIPPS ISLAND

NOTICE OF INSTRUMENT CHANGE OR DATA INTERRUPT

DATE: 27 November 1979

STATION: Port Chicago A

INSTRUMENT PACKAGES INVOLVED:

DATE OF CHANGE: 27-28/11/79

NATURE OF CHANGE OR DATA INTERRUPT (INCLUDE ALL TIMES):

CHANGE METER #20 (Bottom) for #19 (new bottom)  
↓ repair STAND OFF. - recorder off 1330 27 Nov 79

START 1530 ON 28 November 1979



CORPS OF ENGINEERS PROJECT DACW07-78-0049

SAN PABLO BAY - CHIPPS ISLAND

NOTICE OF INSTRUMENT CHANGE OR DATA INTERRUPT

DATE: 27 November 1979

STATION: Chipps Island #5

INSTRUMENT PACKAGES INVOLVED: A

DATE OF CHANGE: 27/11/79

NATURE OF CHANGE OR DATA INTERRUPT (INCLUDE ALL TIMES):

Raised METERS for case-classical  
stop at 1000 Last record 1000  
New start 1230



CORPS OF ENGINEERS PROJECT DACW07-78-0049

SAN PABLO BAY - CHIPPS ISLAND

NOTICE OF INSTRUMENT CHANGE OR DATA INTERRUPT

DATE: 28 November 1979

STATION: Grizzley Bay #6

INSTRUMENT PACKAGES INVOLVED: ~~20 STAN~~ Reset AC (Clock) to RC

DATE OF CHANGE: 28/11/79

NATURE OF CHANGE OR DATA INTERRUPT (INCLUDE ALL TIMES):

Last reading 1600

New reading 1700



CORPS OF ENGINEERS PROJECT DACW07-78-0049

SAN PABLO BAY - CHIPPS ISLAND

NOTICE OF INSTRUMENT CHANGE OR DATA INTERRUPT

DATE: 4 December 1979

STATION San Pablo

INSTRUMENT PACKAGES INVOLVED: repair ~~Probe~~ Probe #2 TH

DATE OF CHANGE: 4 December 1979

NATURE OF CHANGE OR DATA INTERRUPT (INCLUDE ALL TIMES):

rezero TR } Replace cord on Beam Transmissi-  
Down at 1140 }  
up at 1530 } METER.

replace gages on probes #1-3.



SAN PABLO - CHIPS ISLAND

DATA LOGGER CHECK SHEET

Date  
Interp:

STATION (spell out)

San Pablo

STATION NUMBER

51

CALIFORNIA

CALENDAR DATE: MONTH (spell out)

December

DAY

4

YEAR

1979

CALIFORNIA ARRIVAL TIME

1135

DEPARTURE TIME

1545

(leave blank)

RECORDER'S SIGNATURE

Pave

## TASKS ACCOMPLISHED ON THIS STATION VISIT

1) Visual Inspection



2) Instrument Check



3) Tape Change



4) Battery Change



5) Damage Repair



6) Other Repair TR on #2

## INTERROGATION VALUES

	ZERO	+BATT	-BATT	+ID	V <sub>x</sub>	V <sub>y</sub>	DIR	-ID/DEPTH	C	T	Tr
PROBE 1 (top)		12.0	12.5	.6	-8	7	113		326	138	108
PROBE 2 (mid)			1.8	7	-7	1	60		34.5	134	93
PROBE 3 (bottom)				61	2	2.5	330	37	24	136	84

— off

INTERROGATION TIME

1510

TIME METERS OUT OF WATER:

Probe 1

Probe 2

Probe 3

TIME OLD CASSETTE REMOVED

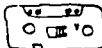
OLD CASSETTE LABEL: \*

C E

↑ Station Number  
(2 digits)↑ Start Month  
(2 digits)

← write A or B

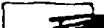
IS NEW TAPE IN CORRECTLY?



DID YOU WRITE THE CORRECT INFORMATION



ON BOTH TAPE CASSETTES? \*



DID YOU CLOSE THE LATCH?



TIME RECORDER RESET

1530

TIME ALL METERS SUBMERGED:

Probe 3

Probe 2

Probe 1

IF YOU HAVE SEEN THE TAPE ADVANCE, PLEASE NOTE TIME AND DATE (spell month):

1530 Pave 4 Dec 79

MARKS (problems with equipment, etc.):

R.C.

0490

A.C.

0487

R.C.

0550

R.C.

0588

1520 PRT

- Checks



CORPS OF ENGINEERS PROJECT DACW07-78-C-0049  
SAN PABLO - CHIPS ISLAND  
GROUND TRUTH DATA SHEET

STATION(spell out): San Pablo STATION NO.: #1

CALIFORNIA  
CALENDAR DATE: MONTH(spell out): December DAY 4 YEAR 1979

(leave blank)

CALIFORNIA ARRIVAL TIME: 1140

DEPARTURE TIME: 1545

RECORDER'S SIGNATURE: Pace

PURPOSE OF STATION VISIT:

1) Visual Inspection ☒

2) Instrument Check ☒

3) Tape Change ☐

4) Battery Change ☐

5) Damage Repair ☒

6) Other ☐ : repair

PHYSICAL DATA:

Trans on #2 probe

DIRECTION TOWARD WHICH CURRENT IS FLOWING (degrees magnetic): 270°

TIME: 1515 EBB OR FLOOD?: Flood Ebb

FLOW METER READINGS (start): 640715 (end): 648533

FLOW METER TIMES (in water): 1515 (out of water): 1520

(leave blank)

COMMENTS ON CURRENT:

BUCKET TEMPERATURE °C: 13.3° C

SALINITY BOTTLE NUMBER: #21

(leave blank)

MARKS (problems with equipment, etc.):



CORPS OF ENGINEERS PROJECT DACW07-78-0049

SAN PABLO BAY - CHIPPS ISLAND

NOTICE OF INSTRUMENT CHANGE OR DATA INTERRUPT

DATE: 4 December 1979

STATION: Curquinez #2

INSTRUMENT PACKAGES INVOLVED: Recorder tape change

DATE OF CHANGE: 4 Dec. '79

NATURE OF CHANGE OR DATA INTERRUPT (INCLUDE ALL TIMES):

Down at 1005

up at 1030

---

replace recorder tape



SAN PABLO - CHIPS ISLAND

DATA LOGGER CHECK SHEET

Data  
Intercept

STATION (spell out) Carginez STATION NUMBER # 2  
 CALIFORNIA  
 CALENDAR DATE: MONTH (spell out) December DAY 4 YEAR 1979  
 CALIFORNIA ARRIVAL TIME ~~09:00~~ 1000  
 DEPARTURE TIME 1040

(leave blank)

RECORDER'S SIGNATURE Pace

## TASKS ACCOMPLISHED ON THIS STATION VISIT

- 1) Visual Inspection ☒  
 3) Tape Change ☒  
 5) Damage Repair ☒

- 2) Instrument Check ☒  
 4) Battery Change ☐  
 6) Other replace recorder - TAP

## INTERROGATION VALUES

	ZERO	+BATT	-BATT	+ID	V <sub>x</sub>	V <sub>y</sub>	DIR	-ID/DEPTH	C	T	Tr
PROBE 1 (top)		12.1	12.4	.2	-.5	-.37	203		16.2	12.4	92.8
PROBE 2 (mid)				.1	-.6	-.8	320		16.8	12.4	98.2
PROBE 3 (bottom)				1.0	-.01	-.02	356	30.2	19.0	12.3	94.3

INTERROGATION TIME 1005

TIME METERS OUT OF WATER: Probe 1 \_\_\_\_\_ Probe 2 \_\_\_\_\_ Probe 3 \_\_\_\_\_

TIME OLD CASSETTE REMOVED 1015

OLD CASSETTE LABEL: \* 

C	E		
---	---	--	--

 . 

--

 ← write A or B  
 ↑ Station Number ↑ Start Month  
 (2 digits) (2 digits)

IS NEW TAPE IN CORRECTLY? 

YES	NO
-----	----

☒ DID YOU WRITE THE CORRECT INFORMATIONON BOTH TAPE CASSETTES? \* ☒DID YOU CLOSE THE LATCH? ☒TIME RECORDER RESET 1030

TIME ALL METERS SUBMERGED: Probe 3 \_\_\_\_\_ Probe 2 \_\_\_\_\_ Probe 1 \_\_\_\_\_

IF YOU HAVE SEEN THE TAPE ADVANCE, PLEASE NOTE TIME AND DATE (spell month):

1030 Space 4 Dec 79MARKS (problems with equipment, etc.): Checks

OLD Recorder

R.C. 0485

R.C. 0482

1010 AMT

New recorder

R.C. 0486

R.C. 0486

1020 AMT



## SAN PABLO - CHIPS ISLAND

## GROUND TRUTH DATA SHEET

STATION(spell out): Carguinez STATION NO.: #2CALIFORNIA  
CALENDAR DATE: MONTH(spell out): December DAY 4 YEAR 1979

(leave blank)

CALIFORNIA ARRIVAL TIME: 1000

DEPARTURE TIME: \_\_\_\_\_

RECORDER'S SIGNATURE: Pace

PURPOSE OF STATION VISIT:

1) Visual Inspection ☒2) Instrument Check ☒3) Tape Change ☒4) Battery Change ☐5) Damage Repair ☒6) Other ☐ : replace

YSICAL DATA:

DIRECTION TQWARD WHICH CURRENT IS FLOWING (degrees magnetic): slackTIME: 1015 EBB OR FLOOD?: ✓FLOW METER READINGS (start): 640000 (end): 640,707FLOW METER TIMES (in water): 1065 (out of water): 1020

(leave blank)

COMMENTS ON CURRENT: \_\_\_\_\_

BUCKET TEMPERATURE °C: 12.4°CSALINITY BOTTLE NUMBER: #125

(leave blank)

F ARKS (problems with equipment, etc.): \_\_\_\_\_



CORPS OF ENGINEERS PROJECT DACW07-78-0049

SAN PABLO BAY - CHIPPS ISLAND

NOTICE OF INSTRUMENT CHANGE OR DATA INTERRUPT

DATE: 26 December 1979

STATION: Grizzly Bay

INSTRUMENT PACKAGES INVOLVED:

DATE OF CHANGE:

NATURE OF CHANGE OR DATA INTERRUPT (INCLUDE ALL TIMES):

Missed 1130 reading.



CORPS OF ENGINEERS PROJECT DACW07-78-0049

SAN PABLO BAY - CHIPPS ISLAND

NOTICE OF INSTRUMENT CHANGE OR DATA INTERRUPT

DATE: 29 January 1980

STATION: Benicia

INSTRUMENT PACKAGES INVOLVED:

DATE OF CHANGE: 29 Jan 1980

NATURE OF CHANGE OR DATA INTERRUPT (INCLUDE ALL TIMES):

Power down 1315

power up 1500



CORPS OF ENGINEERS PROJECT DACW07-78-0049

SAN PABLO BAY - CHIPPS ISLAND

NOTICE OF INSTRUMENT CHANGE OR DATA INTERRUPT

DATE: 30 Jan 1980

STATION: Port Chicago

INSTRUMENT PACKAGES INVOLVED:

probe # 3 changed to SA # ....20

DATE OF CHANGE: 30 Jan 1980

ID = 1.6V

NATURE OF CHANGE OR DATA INTERRUPT (INCLUDE ALL TIMES):

} Probe # 3 relocated to 150 from  
bottom of turn bucket (it was  
90 cm).



CORPS OF ENGINEERS PROJECT DACW07-78-0049

SAN PABLO BAY - CHIPPS ISLAND

NOTICE OF INSTRUMENT CHANGE OR DATA INTERRUPT

DATE: 30 January 1980

STATION: Port Chicago

INSTRUMENT PACKAGES INVOLVED:

DATE OF CHANGE:

NATURE OF CHANGE OR DATA INTERRUPT (INCLUDE ALL TIMES):

Exchanged SN 6271019 ID 0.9V  
for SN 6271020 ID 1.6V  
AT #3 probe (Bottom).



CORPS OF ENGINEERS PROJECT DACW07-78-0049

SAN PABLO BAY - CHIPPS ISLAND

NOTICE OF INSTRUMENT CHANGE OR DATA INTERRUPT

DATE: 26 February 1980

STATION: Carquinez Straights

INSTRUMENT PACKAGES INVOLVED: Change probe #2 (SN 6271008) to (SN 6271011)  
for replacement of faulty current sensor

DATE OF CHANGE:

26th Feb '80

NATURE OF CHANGE OR DATA INTERRUPT (INCLUDE ALL TIMES):

Power Down @ 1245

Power up @ 1630



CORPS OF ENGINEERS PROJECT DACW07-78-0049

SAN PABLO BAY - CHIPPS ISLAND

NOTICE OF INSTRUMENT CHANGE OR DATA INTERRUPT

DATE: 27 February 1980

STATION: Port Chicago

INSTRUMENT PACKAGES INVOLVED: change probe #1 (SM6271006) to (SM6271017)

DATE OF CHANGE: replace Bad compass  
27 Feb. 80

NATURE OF CHANGE OR DATA INTERRUPT (INCLUDE ALL TIMES):

Power Down: 1045

Not returned to service, because  
of faulty recorder (failed to initiate).  
Returned recorder to Lab for shipment  
to InterOcean. No spare recorder  
AVAILABLE AS IT IS ALSO AT  
InterOcean (JARS READOUT TAPES).



CORPS OF ENGINEERS PROJECT DACW07-78-0049

SAN PABLO BAY - CHIPPS ISLAND

NOTICE OF INSTRUMENT CHANGE OR DATA INTERRUPT

DATE: 27 February 1980

STATION: Benicia / Martinez Bridge

INSTRUMENT PACKAGES INVOLVED: changed probe #2 (SN 6271901) to (SN 6271015)

DATE OF CHANGE: replaced faulty conductivity & current sensors,  
27 Feb 80

NATURE OF CHANGE OR DATA INTERRUPT (INCLUDE ALL TIMES):

Power Down: 1215

Power up : 1400



CORPS OF ENGINEERS PROJECT DACW07-78-0049

SAN PABLO BAY - CHIPPS ISLAND

NOTICE OF INSTRUMENT CHANGE OR DATA INTERRUPT

DATE: MARCH 19, WED, 1980

STATION: BENICIA, STN 3

INSTRUMENT PACKAGES INVOLVED:

DATE OF CHANGE: MARCH 19, 1980

NATURE OF CHANGE OR DATA INTERRUPT (INCLUDE ALL TIMES):

We wanted to get out the second Benicia meter because it has a depth sensor (probe # 15).

So we replaced it with # 1  
AND, since we were hit by a large wave by the USN ship Shoshone we probably damaged the top meter (# 2). This we replaced with meter # 6.

Sorry about all the complication, Blame the Navy. Conrad Kerhart 1725

We stopped the tape and removed it.

Filename is ce0315.b1 -

New tape will have filenames ce0315.b2



CORPS OF ENGINEERS PROJECT DACW07-78-0049

SAN PABLO BAY - CHIPPS ISLAND

NOTICE OF INSTRUMENT CHANGE OR DATA INTERRUPT

DATE: 21 Mar 80

STATION: San Pablo

INSTRUMENT PACKAGES INVOLVED: Recorder

DATE OF CHANGE: 21 Mar 80

NATURE OF CHANGE OR DATA INTERRUPT (INCLUDE ALL TIMES):

Jumper cable disconnected from battery while  
being placed back into white box. First <sup>record</sup> reset was at  
1630. Jumper came off at 1645. New reset + 2<sup>nd</sup>  
record at 1700. Clock not reset at 1700.



## SAN PABLO - CHIPPS ISLAND

INITIAL Ch

## DATA LOGGER CHECK SHEET

STATION (spell out) Bonnie \* STATION NUMBER\* 3CALENDAR DATE: MONTH (spell out) MARCH \* DAY 17 (WED) \* YEAR 1980ARRIVAL TIME 1430 DEPARTURE TIME \_\_\_\_\_

leave blank)

SKS ACCOMPLISHED ON THIS STATION VISIT: INTERUPT NORMAL SEQUENCE TO  
GET DEPTH PROBE MIDDLE METER - INSTALL METER #1 ON MID  
POSITION, #6 ON TOP

## INTERROGATION VALUES

	MTR#	+ID	V <sub>x</sub>	V <sub>y</sub>	DIR	R	θ	-ID/DP	C	T	TURB
TOP	6	.3	+38	-.1	53			-.3	.22	10.16	0.2
MID	1	.5	+3	-.3	70			-.5	.22	12.25	2.5
BOT		<u>.3</u>	+3	+0.5	05			32.24	.22	11.93	43
								482.7			

D BATTERY	BM TO DPTH	BM TO WL	DPTH	DK DPTH	CALC SALT
12.0 - 12.3					
ERY	1179.7	197 cm	482.7		top bot

INTERROGATION TIME 1655 ~ flood almost over - but still flooding ditches -METERS OUT OF WATER: Probe 1 ~ 1500 Probe 2 1530 Probe 3 ~ 1545OLD CASSETTE REMOVED 1440CASSETTE LABEL: \* CE 83 15 \* b1 ← write A or B

Station Number (2 digits) Start Month (2 digits)

NOTE THE FIRST  
OF A 2 FILE SET. E.g.NEW TAPE IN CORRECTLY? ☒ ☐DID YOU WRITE THE CORRECT INFORMATION ON THE CASSETTE  
AND DID YOU CLOSE THE LATCH? ☒RECORDER RESET 1702 ~ - when 1700:30ALL METERS SUBMERGED: Probe 3 always down Probe 2 ~ 1730 Probe 1 ~ 1750

YOU HAVE SEEN THE TAPE ADVANCE, PLEASE NOTE TIME AND DATE (SPELL MONTH):

yes ~ 1701

MARKS (PROBLEMS WITH EQUIPMENT, ETC.): THERE IS A VIGOROUS FLOOD (1500)  
 - TROUBLE WITH NAVY SHIP SHUSHONE - HEAVY  
 WAVE AT APPROX 1510 - SMASHED TURBIDITY SENSOR  
 WIRE PLUS OTHER POSSIBLE DAMAGE C.A. 1525

Other info →

K READING: no data taken TIME OBSERVED: \_\_\_\_\_



Station 5  
3/17/80

install # 1 ( $TD=0.5$ ) in middle —  
install # 6 ( $TD=$  ) on top —

$V_x \approx 0$   $V_y \approx -1$   $\theta = 235^\circ$  on strong flood  
should read  $30^\circ$

(reverse case and it works ok)  
Check again.



CORPS OF ENGINEERS PROJECT DACW07-78-0049

SAN PABLO BAY - CHIPPS ISLAND

NOTICE OF INSTRUMENT CHANGE OR DATA INTERRUPT

DATE: 30 April 1980

STATION: CAQUINEZ STRAIGHTS

INSTRUMENT PACKAGES INVOLVED: Battery change

DATE OF CHANGE: 30 April 80

NATURE OF CHANGE OR DATA INTERRUPT (INCLUDE ALL TIMES):

Change + Battery

New Battery  $\approx +12.7, -12.5$

Power Down 1115

Initialize AT: 1130



CORPS OF ENGINEERS PROJECT DACW07-78-0049

SAN PABLO BAY - CHIPPS ISLAND

NOTICE OF INSTRUMENT CHANGE OR DATA INTERRUPT

DATE: MAY 19, 1980

STATION: BENICIA, #3

INSTRUMENT PACKAGES INVOLVED: RECORDER

DATE OF CHANGE: MAY 19, 1980

NATURE OF CHANGE OR DATA INTERRUPT (INCLUDE ALL TIMES):

*Corpe Microfiche indicated recorder  
problems - Change in "space recorder."*

*Blue box reading for this event.*

*Power down 1040 PDT*

*Power up @ 1130 - RECORDER CLOCK*

*WILL BE RESET 1130 PDT*

*( Watch out for PDT C.R.)*

*Old cassette label will be CE 0317.A*



SAN PABLO - CHIPPS ISLAND

INITIAL EL

DATA LOGGER CHECK SHEET

STATION (spell out) PORT CHICAGO \* STATION NUMBER\* 4CALENDAR DATE: MONTH (spell out) MAY \* DAY 19 \* YEAR 80ARRIVAL TIME 1225 DEPARTURE TIME 1525

(leave blank)

TASKS ACCOMPLISHED ON THIS STATION VISIT: VISIT STATION AND  
REMOVE MIDDLE PROBE

INTERROGATION VALUES

$\phi$  265° about  $\downarrow$  current

	MTR#	+ID	V <sub>x</sub>	V <sub>y</sub>	DIR	R	$\theta$	-ID/DP	C	T	TURB
TOP	<u>DIR</u>										
MID	<u>1/2 DIR WATER</u>	<u>-3</u>	<u>+1.2</u>	<u>+1.4</u>	<u>265</u>			<u>-.3</u>	<u>211</u>	<u>18.7</u>	<u>12.8</u>
BOT		<u>1.1</u>	<u>-.8</u>	<u>+1.1</u>	<u>46</u>			<u>10.81</u>	<u>119</u>	<u>18.52</u>	<u>19.62</u>

We are testing now

LD BATTERY	BM TO DPTH	BM TO WL	DPTH	DK DPTH	CALC SALT
-					
FD BATTERY					top
-					bot

INTERROGATION TIME \_\_\_\_\_

METERS OUT OF WATER: Probe 1 \_\_\_\_\_ Probe 2 \_\_\_\_\_ Probe 3 \_\_\_\_\_

OLD CASSETTE REMOVED \_\_\_\_\_

CASSETTE LABEL: \* CE Station Number Start Month write A or B  
(2 digits) (2 digits) SAME CASSETTENEW TAPE IN CORRECTLY? ☒ DID YOU WRITE THE CORRECT INFORMATION ON THE CASSETTE  
AND DID YOU CLOSE THE LATCH? ☐

RECORDER RESET \_\_\_\_\_

ALL METERS SUBMERGED: Probe 3 \_\_\_\_\_ Probe 2 \_\_\_\_\_ Probe 1 \_\_\_\_\_

YOU HAVE SEEN THE TAPE ADVANCE, PLEASE NOTE TIME AND DATE (SPELL MONTH): \_\_\_\_\_

MARKS (PROBLEMS WITH EQUIPMENT, ETC.): NOTE PREVIOUS DATALOGGER CHECK SHEET, MAY 16 -LAURIE: WE WILL KEEP SAME CASSETTE -SPLIT FILE AND CORRECT FIRST PART- DATA NO GOOD BETWEEN 1300 AND 1500OK READING: - Strong dbt most of the time - TIME OBSERVED: 15:00



CORPS OF ENGINEERS PROJECT DACW07-78-0049

SAN PABLO BAY - CHIPPS ISLAND

NOTICE OF INSTRUMENT CHANGE OR DATA INTERRUPT

DATE: 19 MAY 1980

STATION: PORT CHICAGO

INSTRUMENT PACKAGES INVOLVED: MIDDLE PROBE

DATE OF CHANGE: 19 MAY 1980

NATURE OF CHANGE OR DATA INTERRUPT (INCLUDE ALL TIMES):

INSTALL # Q6 (Just in from Interruption)

TAKE OUT # 10

See Data Logger Check Sheet for  
field notes. C.k.



52  
520  
197

The way I was

1160  
- 150  
-----  
310

+60  
-122  
-247  
- 01

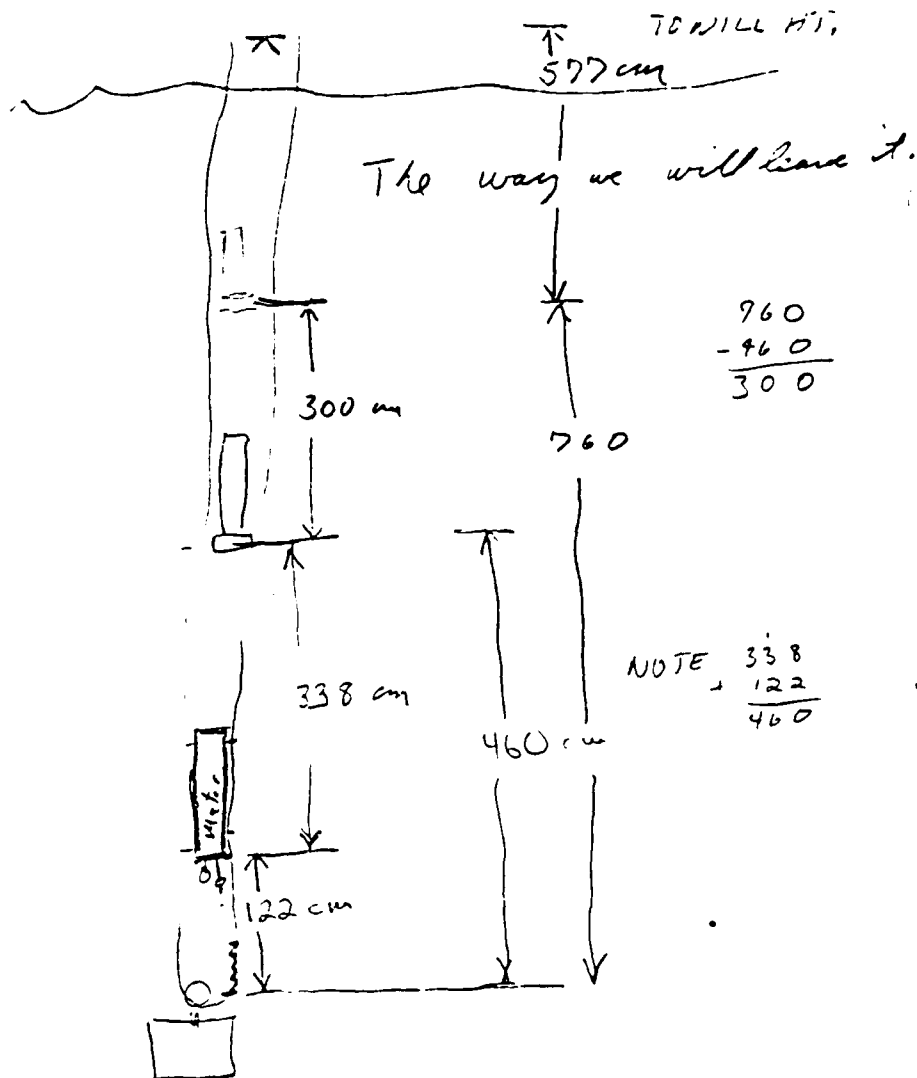
11  
12  
13  
14  
15  
16  
17  
18  
19  
20  
-----  
460

246  
92  
-----  
338

173  
16  
-----  
338

SAVE

Pt Chicago - 12 May



960  
- 460  
-----  
300

NOTE 338  
122  
-----  
460

146  
12  
338  
122  
600



CORPS OF ENGINEERS PROJECT DACW07-C-0049  
SAN PABLO - CHIPPS ISLAND  
GROUND TRUTH DATA SHEET

TIAL H

STATION (spell out): Cargunay STATION NO. 2

CALIFORNIA

CALENDAR DATE: MONTH (spell out): May DAY 16 YEAR 80

(leave blank)

CALIFORNIA ARRIVAL TIME: 1410 DEPARTURE TIME: 1450

TASKS ACCOMPLISHED ON THIS STATION VISIT: Blue box check, Charge tapes & batteries, ground truth

PHYSICAL DATA:

DIRECTION TOWARD WHICH CURRENT IS FLOWING (degrees magnetic): \_\_\_\_\_

TIME: 1420 EBB OR FLOOD?: \_\_\_\_\_

FLOW MTR REVS (start): 937000 (end): 937041 (diff): \_\_\_\_\_

W MTR TIME (in water): 1422:30 (out): 1429:30 (diff): \_\_\_\_\_

REVS/MIN: \_\_\_\_\_ SPEED: \_\_\_\_\_

MENTS ON CURRENT: 1.5 Sec

BUCKET TEMPERATURE °C: N/A

SALINITY BOTTLE NUMBER: 514 FIELD SALINITY: \_\_\_\_\_

(leave blank)

REMARKS (problems with equipment, etc.):

SAN Jose Project borrowed Hecate side



CORPS OF ENGINEERS PROJECT DACW07-78-0049

SAN PABLO BAY - CHIPPS ISLAND

NOTICE OF INSTRUMENT CHANGE OR DATA INTERRUPT

DATE: 23 June 1980

STATION: San Pablo #9, Station #21

INSTRUMENT PACKAGES INVOLVED: ALL

DATE OF CHANGE: Friday, 20 June 1980

NATURE OF CHANGE OR DATA INTERRUPT (INCLUDE ALL TIMES):

Install meters at San Pablo.

TOP #19

MID #10

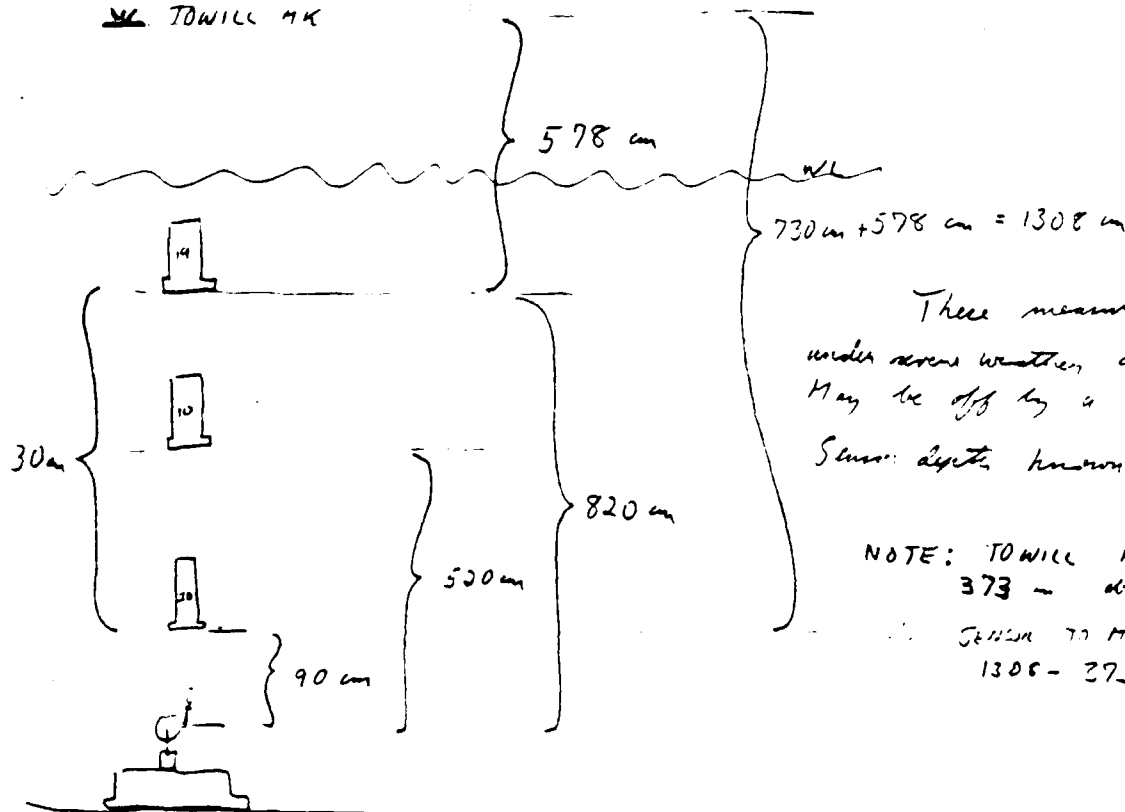
BOTTOM #20

CLOCK RESET  
AND TAPE  
INITIALIZED @  
1400

ALSO INSTALL RECORDER 6330228

C.R. DID SENSOR MEASUREMENTS ↓↓↓

~~W~~ TOWILL MK



These measurements taken  
under severe weather conditions.  
May be off by a couple of cm  
Sensor depths known to be 1308 cm

NOTE: TOWILL MK IS  
373 - 47m MLLW  
SENSOR TO MLLW IS  
1308 - 273 = 935



CORPS OF ENGINEERS PROJECT DACW07-78-0049

SAN PABLO BAY - CHIPPS ISLAND

NOTICE OF INSTRUMENT CHANGE OR DATA INTERRUPT

DATE: 23 June 1980

STATION: Port Chicago

INSTRUMENT PACKAGES INVOLVED: Bottom, Probe #3

DATE OF CHANGE: 30 April, 1980

NATURE OF CHANGE OR DATA INTERRUPT (INCLUDE ALL TIMES):

Evidently, meter #15 (from San Pablo) was employed to replace probe #20 (for Lock Leonard testing). [This notice completed late June to fill out paperwork.]



CORPS OF ENGINEERS PROJECT DACW07-78-0049

SAN PABLO BAY - CHIPPS ISLAND

NOTICE OF INSTRUMENT CHANGE OR DATA INTERRUPT

DATE: 23 June 1980

STATION: Chipps Island, #5

INSTRUMENT PACKAGES INVOLVED: Recorder Change

DATE OF CHANGE: 3 June 1980

NATURE OF CHANGE OR DATA INTERRUPT (INCLUDE ALL TIMES):

I install recorder # 633025,  
Reset Clock 0900

Take out recorder # 6330228 and send  
to Inter Ocean (This was put in at San  
Pablo 20 June 1980).



X ✓

CORPS OF ENGINEERS PROJECT DACW07-78-0049

SAN PABLO BAY - CHIPPS ISLAND

NOTICE OF INSTRUMENT CHANGE OR DATA INTERRUPT

DATE: 21 March 79

STATION: Port Chicago (#4)

INSTRUMENT PACKAGES INVOLVED: old removed: 6271018 (I.D. 1.2)  
new replaced: 6271020 (ID 1.6)

DATE OF CHANGE: 21 March 79

NATURE OF CHANGE OR DATA INTERRUPT (INCLUDE ALL TIMES):

bad depth sensor on old meter  
recorder NOT turned off during operations  
meters up ~ 1300, back down ~ 1500.

(Went back to change meter)

1300 = 2100 GMT

1500 = 2300 GMT

First good read @ 2300 80 1979

012.



CORPS OF ENGINEERS PROJECT DACW07-78-0049

SAN PABLO BAY - CHIPPS ISLAND

NOTICE OF INSTRUMENT CHANGE OR DATA INTERRUPT

DATE: 21 March 79

STATION: Carquinez Straits (#2)

INSTRUMENT PACKAGES INVOLVED: old & new : no. 6271007 (I.D. 1.c)

DATE OF CHANGE: 21 March 79

NATURE OF CHANGE OR DATA INTERRUPT (INCLUDE ALL TIMES):

Bad depth sensor on meter; repaired and  
back down.

meters up ~ 1600 & back down ~ 1800.

was the recorder turned off? (No)



CORPS OF ENGINEERS PROJECT DACW07-78-0049

SAN PABLO BAY - CHIPPS ISLAND

NOTICE OF INSTRUMENT CHANGE OR DATA INTERRUPT

~~DATE: 19 April 1979~~

STATION: Carquinez Strait - Station #2

INSTRUMENT PACKAGES INVOLVED: Old: 6271010 new: 6271018

DATE OF CHANGE: 19 April 1979

NATURE OF CHANGE OR DATA INTERRUPT (INCLUDE ALL TIMES):

meters changed because of bad turbidity sensor

I.D. old: +1.4

I.D. new: +1.2

(readjusted turbidity sensor on new meter before re-installing in water)



SAN PEDRO - CHIPS ISLAND

DATA LOGGING CHECK SHEET

STATION (spell out) \_\_\_\_\_ \* STATION NUMBER \* \_\_\_\_\_

CALIFORNIA

CALENDAR DATE: MONTH (spell out) \_\_\_\_\_ \* DAY \_\_\_\_\_ \* YEAR \_\_\_\_\_

CALIFORNIA ARRIVAL TIME \_\_\_\_\_

DEPARTURE TIME 1730

(leave blank)

RECORDER'S SIGNATURE \_\_\_\_\_

## TASKS ACCOMPLISHED ON THIS STATION VISIT

1) Visual Inspection ☒2) Instrument Check ☐3) Tape Change ☐4) Battery Change ☒5) Damage Repair ☐

6) Other \_\_\_\_\_

## INTERROGATION VALUES

	ZERO	+BATT	-BATT	+ID	V <sub>x</sub>	V <sub>y</sub>	DIR	-ID/DEPTH	C	T	Tr
PROBE 1 (top)											
PROBE 2 (mid)											
PROBE 3 (bottom)											

INTERROGATION TIME \_\_\_\_\_

TIME METERS OUT OF WATER: Probe 1 \_\_\_\_\_ Probe 2 \_\_\_\_\_ Probe 3 \_\_\_\_\_

TIME OLD CASSETTE REMOVED \_\_\_\_\_

OLD CASSETTE LABEL: \* C E ☐ ☐ ☐ ☐ ← write A or B

↑ Station Number (2 digits)    ↑ Start Month (2 digits)

IS NEW TAPE IN CORRECTLY? ☒

DID YOU WRITE THE CORRECT INFORMATION

ON BOTH TAPE CASSETTES? \* ☐DID YOU CLOSE THE LATCH? ☐TIME RECORDER RESET after 15:00

TIME ALL METERS SUBMERGED: Probe 3 \_\_\_\_\_ Probe 2 \_\_\_\_\_ Probe 1 \_\_\_\_\_

IF YOU HAVE SEEN THE TAPE ADVANCE, PLEASE NOTE TIME AND DATE (spell month):

- COMMENTS (problems with equipment, etc.):



SAN PABLO - CHIPS ISLAND

DATA LOGGER CHECK SHEET

STATION (spell out) \_\_\_\_\_ \* STATION NUMBER \* \_\_\_\_\_

CALIFORNIA

CALENDAR DATE: MONTH (spell out) \_\_\_\_\_ \* DAY \_\_\_\_\_ \* YEAR \_\_\_\_\_

CALIFORNIA ARRIVAL TIME 0903

DEPARTURE TIME 0935

(leave blank)

RECORDER'S SIGNATURE \_\_\_\_\_

TASKS ACCOMPLISHED ON THIS STATION VISIT

- |                      |                          |                     |                                     |
|----------------------|--------------------------|---------------------|-------------------------------------|
| 1) Visual Inspection | <input type="checkbox"/> | 2) Instrument Check | <input checked="" type="checkbox"/> |
| 3) Tape Change       | <input type="checkbox"/> | 4) Battery Change   | <input type="checkbox"/>            |
| 5) Damage Repair     | <input type="checkbox"/> | 6) Other            | _____                               |

INTERROGATION VALUES

	ZERO	+BATT	-BATT	+ID	V <sub>x</sub>	V <sub>y</sub>	DIR	-ID/DEPTH	C	T	Tr
PROBE 1 (top)								-0.6	24.27		
PROBE 2 (mid)									24.88		
PROBE 3 (bottom)									25.88		

INTERROGATION TIME \_\_\_\_\_

TIME METERS OUT OF WATER: Probe 1 \_\_\_\_\_ Probe 2 \_\_\_\_\_ Probe 3 \_\_\_\_\_

TIME OLD CASSETTE REMOVED NOT

OLD CASSETTE LABEL: \* ☐ C ☐ E ☐ \_\_\_\_\_ ☐ \_\_\_\_\_ ← write A or B

↑ Station Number (2 digits)    ↑ Start Month (2 digits)

IS NEW TAPE IN CORRECTLY? ☒ ☐ DID YOU WRITE THE CORRECT INFORMATION

ON BOTH TAPE CASSETTES? \* ☐ DID YOU CLOSE THE LATCH? ☐

TIME RECORDER RESET \_\_\_\_\_

TIME ALL METERS SUBMERGED: Probe 3 \_\_\_\_\_ Probe 2 \_\_\_\_\_ Probe 1 \_\_\_\_\_

IF YOU HAVE SEEN THE TAPE ADVANCE, PLEASE NOTE TIME AND DATE (spell month):

REMARKS (problems with equipment, etc.):

all OK



SEA SURVEILLANCE - CHIPS ISLAND

DATA LOGGING CHECK SHEET

STATION (spell out) CHIPS ISLAND STATION NUMBER 2

CALIFORNIA

CALENDAR DATE: MONTH (spell out) April DAY 15 YEAR 1964

CALIFORNIA ARRIVAL TIME 1715

DEPARTURE TIME \_\_\_\_\_

(leave blank)

RECORDER'S SIGNATURE [Signature]

TASKS ACCOMPLISHED ON THIS STATION VISIT

- |                      |                          |                     |                                     |
|----------------------|--------------------------|---------------------|-------------------------------------|
| 1) Visual Inspection | <input type="checkbox"/> | 2) Instrument Check | <input checked="" type="checkbox"/> |
| 3) Tape Change       | <input type="checkbox"/> | 4) Battery Change   | <input checked="" type="checkbox"/> |
| 5) Damage Repair     | <input type="checkbox"/> | 6) Other            | _____                               |

INTERROGATION VALUES

	ZERO	+BATT	-BATT	+ID	V <sub>x</sub>	V <sub>y</sub>	DIR	-ID/DEPTH	C	T	Tr
PROBE 1 (top)		1.2	1.2	0.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1
PROBE 2 (mid)				1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
PROBE 3 (bottom)				1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2

INTERROGATION TIME 015

TIME METERS OUT OF WATER: Probe 1 \_\_\_\_\_ Probe 2 \_\_\_\_\_ Probe 3 \_\_\_\_\_

TIME OLD CASSETTE REMOVED \_\_\_\_\_

OLD CASSETTE LABEL: \* CE                             ← write A or B

↑ Station Number (2 digits) ↑ Start Month (2 digits)

IS NEW TAPE IN CORRECTLY? ☒ DID YOU WRITE THE CORRECT INFORMATION

ON BOTH TAPE CASSETTES? \* ☐ DID YOU CLOSE THE LATCH? ☐

TIME RECORDER RESET \_\_\_\_\_

TIME ALL METERS SUBMERGED: Probe 3 \_\_\_\_\_ Probe 2 \_\_\_\_\_ Probe 1 \_\_\_\_\_

IF YOU HAVE SEEN THE TAPE ADVANCE, PLEASE NOTE TIME AND DATE (spell month):

1715 April 15 1964  
 (problems with equipment, etc.): 1st record on old tape  
2nd record on old tape  
3rd record on old tape



CORPS OF ENGINEERS PROJECT DACW07-78-0049

SAN PABLO BAY - CHIPPS ISLAND

NOTICE OF INSTRUMENT CHANGE OR DATA INTERRUPT

DATE: 26 April 79

STATION: Carquinez Sts. (# 2)

INSTRUMENT PACKAGES INVOLVED: old: recorder 6330226

new " 6330223

DATE OF CHANGE: 26 April 79

NATURE OF CHANGE OR DATA INTERRUPT (INCLUDE ALL TIMES):

no data interrupt except  
old recorder was eating  
batteries for breakfast, lunch,  
& dinner & little tape  
used up.

old tape used



CORPS OF ENGINEERS PROJECT DACW07-78-0049

SAN PABLO BAY - CHIPPS ISLAND

NOTICE OF INSTRUMENT CHANGE OR DATA INTERRUPT

DATE: 2 May, 1979

STATION: San Pablo #1

INSTRUMENT PACKAGES INVOLVED:

DATE OF CHANGE: 2 May, 1979

NATURE OF CHANGE OR DATA INTERRUPT (INCLUDE ALL TIMES):

Removed old Cassette 07/28 P.D.T.  
Changed batteries - voltages looked good in old set.



## DATA LOGGER CHECK SHEET

DEPARTURE TIME 1212

RECORDER'S SIGNATURE *Charles H. Brown*

1) Visual Inspection ☒ 2) Instrument Check ☒  
3) Tape Change ☐ 4) Battery Change ☐  
5) Damage Repair ☐ 6) Other un-usable wire

	ZERO	+BATT	-BATT	+ID	V <sub>x</sub>	V <sub>y</sub>	DIR	-ID/DEPTH	C	T	Tr
PROBE 1 (top)			12.5	16.9	-1.19	-72	339	6.9	7.0	16.35	7.6
PROBE 2 (mid)				2.3				-5.5	1.03		
PROBE 3 (bottom)				15.8	.75	-20	104	32.8	7.29	16.35	10.0

INTERROGATION TIME (last "good" reading at 0930) (1145)

TIME METERS OUT OF WATER: Probe 1 00450 Probe 2 01015 Probe 3 01220

TIME OLD CASSETTE REMOVED

OLD CASSETTE LABEL: \* 

C E		
-----	--	--

 . 

--

 ← write A or B

↑ Station Number    ↑ Start Month  
(2 digits)            (2 digits)

IS NEW TAPE IN CORRECTLY? ☐ DID YOU WRITE THE CORRECT INFORM

ON BOTH TAPE CASSETTES? \* ☐ DID YOU CLOSE THE LATCH? ☐

TIME RECORDER RESET (1200)

TIME ALL METERS SUBMERGED: Probe 3 1105 Probe 2 1120 Probe 1 1135

IF YOU HAVE SEEN THE TAPE ADVANCE, PLEASE NOTE TIME AND DATE (spell month):

REMARKS (problems with equipment, etc.): - ID on middle motor jumping around, conductivity, bad. old ID = 1  
old middle motor ———→ new ID = 1.4  
to replace cooling water on old motor - motor will



CORPS OF ENGINEERS PROJECT DACW07-78-0049

SAN PABLO BAY - CHIPPS ISLAND

NOTICE OF INSTRUMENT CHANGE OR DATA INTERRUPT

DATE: 7 May

STATION: Port Chicago

INSTRUMENT PACKAGES INVOLVED: mid meter

DATE OF CHANGE: 7 May

NATURE OF CHANGE OR DATA INTERRUPT (INCLUDE ALL TIMES):

meter change - mid old ID = .1 #6271008

at @ 1020 (

new ID = 1.4 #6271010

last "good" reading Codaex meters and of water  
at 0930



CORPS OF ENGINEERS PROJECT DACW07-78-0049

SAN PABLO BAY - CHIPPS ISLAND

NOTICE OF INSTRUMENT CHANGE OR DATA INTERRUPT

DATE: 19 Sept. 79

STATION: 2, Corguinez

INSTRUMENT PACKAGES INVOLVED: mid-meter

DATE OF CHANGE: 17 May 79

NATURE OF CHANGE OR DATA INTERRUPT (INCLUDE ALL TIMES):

old meter: ID = 1.2 # 12

new meter: ID = 0.1 # 3



SAN PABLO - CHIPS ISLAND

DATA LOGGER CHECK SHEET

STATION (spell out) San Pablo\* STATION NUMBER \* 1

CALIFORNIA

CALENDAR DATE: MONTH (spell out) June \* DAY 8 \* YEAR 1979CALIFORNIA ARRIVAL TIME 0900DEPARTURE TIME 1215

(leave blank)

RECORDER'S SIGNATURE P. Carpenter

## TASKS ACCOMPLISHED ON THIS STATION VISIT

1) Visual Inspection ☒2) Instrument Check ☒3) Tape Change ☐4) Battery Change ☐5) Damage Repair ☐6) Other Replace probe 2

## INTERROGATION VALUES

	ZERO	+BATT	-BATT	+ID	V <sub>x</sub>	V <sub>y</sub>	DIR	-ID/DEPTH	C	T	Tr
PROBE 1 (top)		<u>3</u>		<u>0.6</u>	<u>-13</u>	<u>-0.8</u>	<u>218</u>	<u>0.6</u>	<u>29.83</u>	<u>18.75</u>	<u>82</u>
PROBE 2 (mid)				<u>1.2</u>	<u>+0.07</u>	<u>-1.04</u>	<u>150</u>	<u>20.22 d+th</u>	<u>32.02</u>	<u>18.06</u>	<u>59</u>
PROBE 3 (bottom)				<u>1.0</u>	<u>.07</u>	<u>-0.8</u>	<u>188</u>	<u>29.16</u>	<u>32.14</u>	<u>18.59</u>	<u>59.0</u>

INTERROGATION TIME 1145TIME METERS OUT OF WATER: Probe 1 0920 Probe 2 0925 Probe 3 0935

TIME OLD CASSETTE REMOVED

NOT APPLIC:

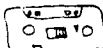
OLD CASSETTE LABEL: \*

C E

↑ Station Number  
(2 digits)↑ Start Month  
(2 digits)

← write A or B

IS NEW TAPE IN CORRECTLY?



DID YOU WRITE THE CORRECT INFORMATIC

ON BOTH TAPE CASSETTES? \*

DID YOU CLOSE THE LATCH?

TIME RECORDER RESET

1100TIME ALL METERS SUBMERGED: Probe 3 1040 Probe 2 1055 Probe 1 1115IF YOU HAVE SEEN THE TAPE ADVANCE, PLEASE NOTE TIME AND DATE (spell month): up 113011008 June 79down 1158

REMARKS (problems with equipment, etc.):

recorder off at 0915  
recorder on 1100 - first usable record at  
1130 - 1200 hrs. meter change - mid from 13 to  
18 (ID. 1.2)



CORPS OF ENGINEERS PROJECT DACW07-78-0049

SAN PABLO BAY - CHIPPS ISLAND

NOTICE OF INSTRUMENT CHANGE OR DATA INTERRUPT

DATE:

8 June 79

STATION:

San Pablo (#1)

INSTRUMENT PACKAGES INVOLVED:

current meter (old) # 13

" " (new) # 18 (ID 1.2)

DATE OF CHANGE:

8 June 79

NATURE OF CHANGE OR DATA INTERRUPT (INCLUDE ALL TIMES):

bulkhead  
connector on probe system  
has pin broken - Cable is  
OK.



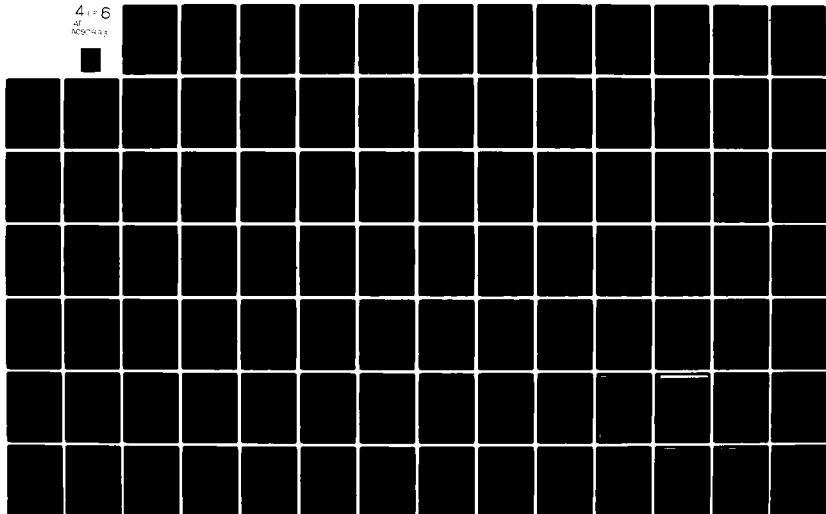
AD-A097 893

KINETIC LABS INC SANTA CRUZ CA F/G 8/8  
IN-SITU FIELD DATA GATHERING STATIONS, SAN FRANCISCO BAY-DELTA,--ETC(U)  
MAR 81  
KLI-81-1-APP-12 DACW07-78-C-0049  
NL

UNCLASSIFIED

4 of 6

AD  
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CORPS OF ENGINEERS PROJECT DACW07-78-0049

SAN PABLO BAY - CHIPPS ISLAND

NOTICE OF INSTRUMENT CHANGE OR DATA INTERRUPT

DATE:

STATION:

INSTRUMENT PACKAGES INVOLVED:

DATE OF CHANGE:

NATURE OF CHANGE OR DATA INTERRUPT (INCLUDE ALL TIMES):

*14 June 79*  
*P.H. Chicago*  
*Recorder changed from 6330226*  
*to 6330227*  
*14 June 1979*  
*old Recorder craps out after couple*  
*days - will not advance tape*  
*- batteries are OK! -*



CORPS OF ENGINEERS PROJECT DACW07-78-0049

SAN PABLO BAY - CHIPPS ISLAND

NOTICE OF INSTRUMENT CHANGE OR DATA INTERRUPT

DATE:

STATION:

INSTRUMENT PACKAGES INVOLVED:

DATE OF CHANGE:

NATURE OF CHANGE OR DATA INTERRUPT (INCLUDE ALL TIMES):

*June 7-9*  
*Chicago*  
*Recorder changed from 6330226*  
*to 6330227*  
*14 June 1979*  
*old Recorder craps out after couple*  
*days - will not advance tape*  
*- batteries are OK! -*



CORPS OF ENGINEERS PROJECT DACW07-78-0049

SAN PABLO BAY - CHIPPS ISLAND

NOTICE OF INSTRUMENT CHANGE OR DATA INTERRUPT

DATE: 2 JULY 1979 , Monday

STATION: NO. 4 - PORT CHICAGO BEACON 19

INSTRUMENT PACKAGES INVOLVED:

DATE OF CHANGE: 2 JULY 1979

NATURE OF CHANGE OR DATA INTERRUPT (INCLUDE ALL TIMES):

P. Carpenter climbed into tower  
and changed data cassette.  
His comments are as follows.

Old cassette taken out @ 0905  
Recorder not touched (!)

First record on new tape should  
be at 0930.

This cassette is known as

CE 0407-a 1



## CORPS OF ENGINEERS PROJECT DACW07-78-C-0049

SAN PABLO - CHIPPS ISLAND

## DATA LOGGER CHECK SHEET

STATION (spell out) Chipp Is \* STATION NUMBER \* 05  
 CALIFORNIA  
 CALENDAR DATE: MONTH (spell out) July \* DAY 2 \* YEAR 79 \*  
 CALIFORNIA ARRIVAL TIME 1000 0950  
 DEPARTURE TIME \_\_\_\_\_

(leave blank)

RECORDER'S SIGNATURE PC

## TASKS ACCOMPLISHED ON THIS STATION VISIT

1) Visual Inspection ☒3) Tape Change ☐5) Damage Repair ☒2) Instrument Check ☒4) Battery Change ☐6) Other Last Change

## INTERROGATION VALUES

	ZERO	+BATT	-BATT	+ID	V <sub>x</sub>	V <sub>y</sub>	DIR	-ID/DEPTH	C	T	Tr
PROBE 1 (top)											
PROBE 2 (mid)											
PROBE 3 (bottom)											

INTERROGATION TIME \_\_\_\_\_

TIME METERS OUT OF WATER: Probe 1 \_\_\_\_\_ Probe 2 \_\_\_\_\_ Probe 3 \_\_\_\_\_

TIME OLD CASSETTE REMOVED Turned off 10/10OLD CASSETTE LABEL: \* ☐ C ☐ E ☐ ☐ ☐ ← write A or B

↑ Station Number (2 digits)    ↑ Start Month (2 digits)

IS NEW TAPE IN CORRECTLY? ☒

DID YOU WRITE THE CORRECT INFORMATION

ON BOTH TAPE CASSETTES? \* ☐DID YOU CLOSE THE LATCH? ☐

TIME RECORDER RESET

1200 July 2 79TIME ALL METERS SUBMERGED: Probe 3 1205 Probe 2 1215 Probe 1 1228

IF YOU HAVE SEEN THE TAPE ADVANCE, PLEASE NOTE TIME AND DATE (spell month):

1000, 1200 July 2 79 1st cable read 1230

REMARKS (problems with equipment, etc.):

# 2 probe hooked to cable #1 & Visa Versa  
 # 1 probe came up flooded - broken current probe shaft  
 (# 12, ID 1.7 changed to # 13, code 0.8)



CORPS OF ENGINEERS PROJECT DACW07-78-0049

SAN PABLO BAY - CHIPPS ISLAND

NOTICE OF INSTRUMENT CHANGE OR DATA INTERRUPT

DATE: 2 JULY 1977

STATION: CHIPPS ISLAND STATION 5

INSTRUMENT PACKAGES INVOLVED:

DATE OF CHANGE: 2 JULY 1977

NATURE OF CHANGE OR DATA INTERRUPT (INCLUDE ALL TIMES):

REMOVE CASSETTE

0930 - LAST DATA RECORD ON TAPE

-ve I.D. } ALL WRONG -

Temp -

Turbidity

Conductivity

1045 - First Sensor up - Current Probe fell out instrument breaking 1/2 O

Recorder Turned off @ 1010 - Change Batteries -



CORPS OF ENGINEERS PROJECT DACW07-78-0049

SAN PABLO BAY - CHIPPS ISLAND

NOTICE OF INSTRUMENT CHANGE OR DATA INTERRUPT

DATE: 19 JULY 1979

STATION: CHIPPS ISLAND: NUMBER 5

INSTRUMENT PACKAGES INVOLVED: PROBE 3

DATE OF CHANGE: 18 JULY 1979

NATURE OF CHANGE OR DATA INTERRUPT (INCLUDE ALL TIMES):

Probe 3 was removed. A probe which had been in use at San Pablo was substituted.

The old probe is serial number 6271 019 (ID: 0.9)

The new probe (from San Pablo at mid-depth)  
is serial number 6271 018 (ID: 1.2)



CORPS OF ENGINEERS PROJECT DACW07-78-0049

SAN PABLO BAY - CHIPPS ISLAND

NOTICE OF INSTRUMENT CHANGE OR DATA INTERRUPT

DATE: 19 JULY 1979

STATION: SAN PABLO : NUMBER 1

INSTRUMENT PACKAGES INVOLVED: PROBE 2

DATE OF CHANGE: 17 JULY 1979

NATURE OF CHANGE OR DATA INTERRUPT (INCLUDE ALL TIMES):

Probe 2 was exchanged. This probe was moved to Chipps on 18 JULY to go on the bottom there (since it had a pressure sensor). The old San Pablo probe and the new Chipps probe is serial number 6271018 (I.D.: 1.2).

The new probe 2, here at San Pablo is serial number 6271012 (I.D.: 1.7 volt).

There was no interruption to the data stream. Tapes were changed during a regular monthly service.



CORPS OF ENGINEERS PROJECT DACW07-78-0049

SAN PABLO BAY - CHIPPS ISLAND

NOTICE OF INSTRUMENT CHANGE OR DATA INTERRUPT

DATE: 19 JULY 1979

STATION: PORT CHICAGO, NUMBER 4

INSTRUMENT PACKAGES INVOLVED: DATA RECORDER

DATE OF CHANGE: 13 July 1979

NATURE OF CHANGE OR DATA INTERRUPT (INCLUDE ALL TIMES):

*Change Recorder. New recorder  
is serial number 6330226.*

*Records prior to this are (probably)  
not good.*



CORPS OF ENGINEERS PROJECT DACW07-78-0049

SAN PABLO BAY - CHIPPS ISLAND

NOTICE OF INSTRUMENT CHANGE OR DATA INTERRUPT

DATE: 6 AUGUST, 1979

STATION: PORT CHICAGO #4

INSTRUMENT PACKAGES INVOLVED: 1 AND 3

DATE OF CHANGE: ABOVE

NATURE OF CHANGE OR DATA INTERRUPT (INCLUDE ALL TIMES):

Prober 1 and 3 at Port Chicago  
were found to have broken seals at  
the current sensor. These are  
removed from record sent at 2030.



CORPS OF ENGINEERS PROJECT DACW07-78-0049

SAN PABLO BAY - CHIPPS ISLAND

NOTICE OF INSTRUMENT CHANGE OR DATA INTERRUPT

DATE: 23 AUGUST 1979

STATION: 4, PORT CHICAGO

INSTRUMENT PACKAGES INVOLVED:

DATE OF CHANGE: 23 AUGUST 1979

NATURE OF CHANGE OR DATA INTERRUPT (INCLUDE ALL TIMES):

*Bottom probe here was installed.*

*The serial number probably is 6271019 (ID=0.9)\**

*The first record from this meter  
was taken at 1930 (next time).*

*There is still no Top meter here.*

*There was no bottom meter up to the  
time this one was installed.*

*\* This could be wrong. Double check I.D. values.*



CORPS OF ENGINEERS PROJECT DACW07-78-0049

SAN PABLO BAY - CHIPPS ISLAND

NOTICE OF INSTRUMENT CHANGE OR DATA INTERRUPT

DATE: 20 Sept 1979

STATION: Port Chicago

INSTRUMENT PACKAGES INVOLVED: Meter

DATE OF CHANGE: 20 Sept 1979

NATURE OF CHANGE OR DATA INTERRUPT (INCLUDE ALL TIMES):

Power interrupted to recorder @ 1200 - Wire came Unattached  
from battery while batteries being removed from case

Top meter added (has depth sensor)

Recorder ~~was~~ reset at 1230 but clip came off battery again  
after 1<sup>st</sup> cycle of readings. Recorder turned off

Recorder and 1<sup>st</sup> reading at 1300 Reset + 1<sup>st</sup> reading



CORPS OF ENGINEERS PROJECT DACW07-78-0049

SAN PABLO BAY - CHIPPS ISLAND

NOTICE OF INSTRUMENT CHANGE OR DATA INTERRUPT

DATE: Sept. 20, 1979

STATION: #5 - Chipps Is.

INSTRUMENT PACKAGES INVOLVED: Recorder + battery change

DATE OF CHANGE: Sept. 20, 1979

NATURE OF CHANGE OR DATA INTERRUPT (INCLUDE ALL TIMES):

Recorder failed to advance for 0930 reading.

At 0930 I pushed load fwd. Recorder halted, clicked, and began to take up tape. After load fwd. released, recorder began to cycle through its readings. Allowed cycle to complete then turned off recorder and replaced it and batteries w/ a fresh set.

Voltage on old batteries: +9 V.

Initial reading at 1000 hrs PDT. with new recorder and  
old tape.



CORPS OF ENGINEERS PROJECT DACW07-78-0049

SAN PABLO BAY - CHIPPS ISLAND

NOTICE OF INSTRUMENT CHANGE OR DATA INTERRUPT

DATE: 2 Oct 1979

STATION: San Pablo

INSTRUMENT PACKAGES INVOLVED: All

DATE OF CHANGE: 2 Oct 1979

NATURE OF CHANGE OR DATA INTERRUPT (INCLUDE ALL TIMES):

Last reading @ 10:30. Power off ~ 10:40  
Removed all 3 metres, recorder box and batteries for  
refitting, cleaning, antifouling paint, and recalibration. Left  
cables tied off to piling. Tape left in recorder.



CORPS OF ENGINEERS PROJECT DACW07-78-0049

SAN PABLO BAY - CHIPPS ISLAND

NOTICE OF INSTRUMENT CHANGE OR DATA INTERRUPT

DATE: 2 Oct 1979

STATION: Carquinez Straits

INSTRUMENT PACKAGES INVOLVED: All

DATE OF CHANGE: 2 Oct 1979

NATURE OF CHANGE OR DATA INTERRUPT (INCLUDE ALL TIMES):

Last record @ 1230 PM. Power down = 12:43  
Removed all 3 meters, recorder box and batteries. Left  
cables attached to wooden pilings. Tape left in recorder



CORPS OF ENGINEERS PROJECT DACW07-78-0049

SAN PABLO BAY - CHIPPS ISLAND

NOTICE OF INSTRUMENT CHANGE OR DATA INTERRUPT

DATE: 3 Oct 1979

STATION: Benicia

INSTRUMENT PACKAGES INVOLVED: All

DATE OF CHANGE: 3 Oct 1979

NATURE OF CHANGE OR DATA INTERRUPT (INCLUDE ALL TIMES):

Last record at 1200 P.D.T.

Removed all 3 current meters, records and  
batteries for repair + recalibration



CORPS OF ENGINEERS PROJECT DACW07-78-0049

SAN PABLO BAY - CHIPPS ISLAND

NOTICE OF INSTRUMENT CHANGE OR DATA INTERRUPT

DATE: 2 Oct 1979

STATION: Port Chicago

INSTRUMENT PACKAGES INVOLVED: All

DATE OF CHANGE: 2 Oct

NATURE OF CHANGE OR DATA INTERRUPT (INCLUDE ALL TIMES):

Last record @ 2:30 PM Power down ~ 2:50  
Removed all 3 meters, recorder box, and batteries  
for cleaning, retrofitting, and recalibration. Left all cables  
tied up to filing. Tape left in recorder



CORPS OF ENGINEERS PROJECT DACW07-78-0049

SAN PABLO BAY - CHIPPS ISLAND

NOTICE OF INSTRUMENT CHANGE OR DATA INTERRUPT

DATE: 2 Oct 1977

STATION: Chipps Island

INSTRUMENT PACKAGES INVOLVED: All

DATE OF CHANGE: 2 Oct.

NATURE OF CHANGE OR DATA INTERRUPT (INCLUDE ALL TIMES):

Last record 4:00 P.M., Power off ~ 4:15. Removed all 3 meters, recorder unit and batteries for cleaning, replacement of parts, and recalibration. Tape left in recorder.



CORPS OF ENGINEERS PROJECT DACW07-78-0049

SAN PABLO BAY - CHIPPS ISLAND

NOTICE OF INSTRUMENT CHANGE OR DATA INTERRUPT

DATE: 3 Oct 1979

STATION: Grizzley

INSTRUMENT PACKAGES INVOLVED:

All

DATE OF CHANGE: 3 Oct

NATURE OF CHANGE OR DATA INTERRUPT (INCLUDE ALL TIMES):

Last record @ 1030 P.D.T.

Removed meter, recorder unit and batteries for servicing  
meter very heavily fouled w/ several layers of barnacle  
and a fine coat of hydroids



CORPS OF ENGINEERS PROJECT DACW07-78-0049

SAN PABLO BAY - CHIPPS ISLAND

NOTICE OF INSTRUMENT CHANGE OR DATA INTERRUPT

DATE: 2 November 1979

STATION: San Pablo

INSTRUMENT PACKAGES INVOLVED: installed METERS;

DATE OF CHANGE: 2/11/79

NATURE OF CHANGE OR DATA INTERRUPT (INCLUDE ALL TIMES):

Returned station to data acquisition mode  
at 1900. After meter overhauls & calibrations



CORPS OF ENGINEERS PROJECT DACW07-78-0049

SAN PABLO BAY - CHIPPS ISLAND

NOTICE OF INSTRUMENT CHANGE OR DATA INTERRUPT

DATE: 2 November 1979

STATION: Carquinez Straights

INSTRUMENT PACKAGES INVOLVED:

INSTALLED METERS

DATE OF CHANGE: 2/11/79

NATURE OF CHANGE OR DATA INTERRUPT (INCLUDE ALL TIMES):

Returned station to data acquisition mode  
After Meter over Hauls & recalibrations  
up at 1700.



CORPS OF ENGINEERS PROJECT DACW07-78-0049

SAN PABLO BAY - CHIPPS ISLAND

NOTICE OF INSTRUMENT CHANGE OR DATA INTERRUPT

DATE: 2 November 1979

STATION: Benicia Bridge

INSTRUMENT PACKAGES INVOLVED: INSTALLED METERS

DATE OF CHANGE: 2/11/79

NATURE OF CHANGE OR DATA INTERRUPT (INCLUDE ALL TIMES):

Returned station to DATA ACQUISITION  
MODE After METER OVERHAUL &  
recalibration.

UP AT 1300



CORPS OF ENGINEERS PROJECT DACW07-78-0049

SAN PABLO BAY - CHIPPS ISLAND

NOTICE OF INSTRUMENT CHANGE OR DATA INTERRUPT

DATE: 2 November 1979

STATION: Port Chicago

INSTRUMENT PACKAGES INVOLVED: RETER INSTALLATION

DATE OF CHANGE: 2/11/79

NATURE OF CHANGE OR DATA INTERRUPT (INCLUDE ALL TIMES):

Returned station to DATA ACQUISITION  
MODE After RETER overhaul &  
recombination

Up at 1530



CORPS OF ENGINEERS PROJECT DACW07-78-0049

SAN PABLO BAY - CHIPPS ISLAND

NOTICE OF INSTRUMENT CHANGE OR DATA INTERRUPT

DATE: 2 November 1979

STATION: Chipps Island

INSTRUMENT PACKAGES INVOLVED: METER INSTALL

DATE OF CHANGE: 2/11/79

NATURE OF CHANGE OR DATA INTERRUPT (INCLUDE ALL TIMES):

Returned station to DATA  
ACQUISITION MODE AFTER  
METER OVERHAUL & RECALIBRATION  
UP AT 1030



CORPS OF ENGINEERS PROJECT DACW07-78-0049

SAN PABLO BAY - CHIPPS ISLAND

NOTICE OF INSTRUMENT CHANGE OR DATA INTERRUPT

DATE: 2 November 1979

STATION: Grizzly Bay

INSTRUMENT PACKAGES INVOLVED: INSTALL METER #1C

DATE OF CHANGE: 2/11/79

NATURE OF CHANGE OR DATA INTERRUPT (INCLUDE ALL TIMES):

Attempted & Failed to return station  
to data ACQUISITION MODE i.e. bad  
Sensor cable to METER.



CORPS OF ENGINEERS PROJECT DACW07-78-0049

SAN PABLO BAY - CHIPPS ISLAND

NOTICE OF INSTRUMENT CHANGE OR DATA INTERRUPT

DATE: 6 November 79

STATION: San Pablo

INSTRUMENT PACKAGES INVOLVED:

DATE OF CHANGE: 6 November 79

NATURE OF CHANGE OR DATA INTERRUPT (INCLUDE ALL TIMES):

Change batteries [over Low value]  
Arrive 0915 - 9.5V

Clock recording:

at PNT

OLD BATTERY CHECK - -10.8  
+12.0

NEW - +12.6  
- 12.8

DOWN AT 0915  
UP AT 0930

MASTER CLOCK - 9.47  
REAL TIME - 0925  
RECORD CLOCK - 9.36  
- 0930



CORPS OF ENGINEERS PROJECT DACW07-78-0049

SAN PABLO BAY - CHIPPS ISLAND

NOTICE OF INSTRUMENT CHANGE OR DATA INTERRUPT

DATE: 6 November 1979

STATION: Carquinez Straights

INSTRUMENT PACKAGES INVOLVED:

DATE OF CHANGE: 6 November 1979

NATURE OF CHANGE OR DATA INTERRUPT (INCLUDE ALL TIMES):

Replaced low batteries  
+11.5V } - 11.6V

PMT	C values
10:30	MC-9.57
	RC 9.57

OLD BATTERIES - 11.7  
+ 11.3

New batteries: + 12.6  
- 12.6

Down AT 1010  
UP AT 1030



CORPS OF ENGINEERS PROJECT DACW07-78-0049

SAN PABLO BAY - CHIPPS ISLAND

NOTICE OF INSTRUMENT CHANGE OR DATA INTERRUPT

DATE: 6 November 1979

STATION: Grizzly Bay

INSTRUMENT PACKAGES INVOLVED:

DATE OF CHANGE: 6/11/79

NATURE OF CHANGE OR DATA INTERRUPT (INCLUDE ALL TIMES):

Replaced cable & returned station  
to data acquisition mode after meter  
overhaul & recalibration.

PMT	check values
12:20	MC 9.79
	RC 9.50

New Batterys +12.9 ✓  
-12.4 ✓

+ I.D. = 1.3  
- I.D. = 1.3  
C = +10.7  
T = +15.9  
TR = +20.9

UP AT: 1230

TEMP. 16.25°C  
Salinity # 139



CORPS OF ENGINEERS PROJECT DACW07-78-0049

SAN PABLO BAY - CHIPPS ISLAND

NOTICE OF INSTRUMENT CHANGE OR DATA INTERRUPT

DATE: 27 November 1979

STATION: Port Chicago A

INSTRUMENT PACKAGES INVOLVED:

DATE OF CHANGE: 27-28/11/79

NATURE OF CHANGE OR DATA INTERRUPT (INCLUDE ALL TIMES):

CHANGE METER #20 (Bottom) for #19 (new bottom)  
↓ repair STAND OFF. - recorder off 1330 27 Nov 79

START 1530 ON 28 November 1979



CORPS OF ENGINEERS PROJECT DACW07-78-0049

SAN PABLO BAY - CHIPPS ISLAND

NOTICE OF INSTRUMENT CHANGE OR DATA INTERRUPT

DATE: 27 November 1979

STATION: Chipps Island #5

INSTRUMENT PACKAGES INVOLVED: A

DATE OF CHANGE: 27/11/79

NATURE OF CHANGE OR DATA INTERRUPT (INCLUDE ALL TIMES):

Raised METERS for case-chassis deck  
stop at 100 Last record 1000  
New start 1230



CORPS OF ENGINEERS PROJECT DACW07-78-0049

SAN PABLO BAY - CHIPPS ISLAND

NOTICE OF INSTRUMENT CHANGE OR DATA INTERRUPT

DATE: 28 November 1979

STATION: Grizzley Bay #C

INSTRUMENT PACKAGES INVOLVED:

~~DATA~~ Reset AC (Clock) to RC

DATE OF CHANGE: 28/11/79

NATURE OF CHANGE OR DATA INTERRUPT (INCLUDE ALL TIMES):

Last reading 1600

New reading 1700



CORPS OF ENGINEERS PROJECT DACW07-78-0049

SAN PABLO BAY - CHIPPS ISLAND

NOTICE OF INSTRUMENT CHANGE OR DATA INTERRUPT

DATE: 4 December 1979

STATION San Pablo

INSTRUMENT PACKAGES INVOLVED: repair ~~Probe~~ Probe #2 TR

DATE OF CHANGE: 4 December 1979

NATURE OF CHANGE OR DATA INTERRUPT (INCLUDE ALL TIMES):

rezero TR } Replace cord on beam TRANSDUCER.  
Down at 1140  
up at 1530

replace gages on probes #1-3.



Ground Truth Data Sheets



CORPS OF ENGINEERS PROJECT DACW07-78-C-0049  
SAN PABLO - CHIPS ISLAND  
GROUND TRUTH DATA SHEET

STATION(spell out): San Pablo - # 9 STATION NO.: 1

CALIFORNIA  
CALENDAR DATE: MONTH(spell out): February DAY 8 YEAR 1979

(leave blank)

CALIFORNIA ARRIVAL TIME: 1235

DEPARTURE TIME: 1250

RECORDER'S SIGNATURE: P. Carpenter

PURPOSE OF STATION VISIT:

- |                      |                          |  |                          |
|----------------------|--------------------------|--|--------------------------|
| 1) Visual Inspection | <input type="checkbox"/> | 2) Instrument Check                          | <input type="checkbox"/> |
| 3) Tape Change       | <input type="checkbox"/> | 4) Battery Change                            | <input type="checkbox"/> |
| 5) Damage Repair     | <input type="checkbox"/> | 6) Other <input checked="" type="checkbox"/> |                          |

PHYSICAL DATA:

DIRECTION TOWARD WHICH CURRENT IS FLOWING (degrees magnetic): 216°  
(taken between 2 inop plates)  
TIME: 1237 EBB OR FLOOD?: begin of Ebb  
FLOW METER READINGS (start): 90000.0 (end): 92987  
FLOW METER TIMES (in water): 1239-0 sec (out of water): 1234-0 sec

(leave blank)

COMMENTS ON CURRENT: barely moving

BUCKET TEMPERATURE °C: NO THERMOMETER

SALINITY BOTTLE NUMBER: NOT ALONG

(leave blank)

REMARKS (problems with equipment, etc.):

SCREW UP!



CORPS OF ENGINEERS PROJECT DACW07-78-C-0049  
SAN PABLO - CHIPS ISLAND  
GROUND TRUTH DATA SHEET

STATION(spell out): Bevicia #6 STATION NO.: 3

CALIFORNIA  
CALENDAR DATE: MONTH(spell out): February DAY 9 YEAR 1979

(leave blank)

CALIFORNIA ARRIVAL TIME: 1200

DEPARTURE TIME: 1345

RECORDER'S SIGNATURE: Stephen Pace

PURPOSE OF STATION VISIT:

1) Visual Inspection ☐

2) Instrument Check ☐

3) Tape Change ☐

4) Battery Change ☐

5) Damage Repair ☐

6) Other ☐: METER

PHYSICAL DATA:

INSTILLATION

DIRECTION TOWARD WHICH CURRENT IS FLOWING (degrees magnetic): 234

TIME: 1335 EBB OR FLOOD?: EBB

FLOW METER READINGS (start): 093000 (end): 093442

FLOW METER TIMES (in water): 1333 (out of water): 1338

(leave blank)

COMMENTS ON CURRENT: \_\_\_\_\_

BUCKET TEMPERATURE °C: 10.0°C

SALINITY BOTTLE NUMBER: 19

(leave blank)

REMARKS (problems with equipment, etc.):



CORPS OF ENGINEERS PROJECT DACW07-78-C-0049  
SAN PABLO - CHIPS ISLAND  
GROUND TRUTH DATA SHEET

STATION(spell out): Grizzley Bay [Dolphin] STATION NO.: 6

CALIFORNIA

CALENDAR DATE: MONTH(spell out): February DAY 9 YEAR 1979

(leave blank)

CALIFORNIA ARRIVAL TIME: 1635

DEPARTURE TIME: 1710

RECORDER'S SIGNATURE: Stephen Pace

PURPOSE OF STATION VISIT:

- |                      |                          |   |                          |
|----------------------|--------------------------|---|--------------------------|
| 1) Visual Inspection | <input type="checkbox"/> | 2) Instrument Check   | <input type="checkbox"/> |
| 3) Tape Change       | <input type="checkbox"/> | 4) Battery Change   | <input type="checkbox"/> |
| 5) Damage Repair     | <input type="checkbox"/> | 6) Other <input checked="" type="checkbox"/> : <u>INSTALL</u> |                          |

PHYSICAL DATA:

METER

DIRECTION TOWARD WHICH CURRENT IS FLOWING (degrees magnetic): 220° magnetic

TIME: 1655 EBB OR FLOOD?: ebb

FLOW METER READINGS (start): 093479 No flow METER (end):

FLOW METER TIMES (in water): 1650 (out of water):

(leave blank)

COMMENTS ON CURRENT:

BUCKET TEMPERATURE °C: 12°c suite

SALINITY BOTTLE NUMBER: 59

(leave blank)

REMARKS (problems with equipment, etc.):



CORPS OF ENGINEERS PROJECT DACW07-78-C-0049  
SAN PABLO - CHIPS ISLAND  
GROUND TRUTH DATA SHEET

STATION(spell out): Carpenter Straits <sup>[dock]</sup> STATION NO.: 2  
CALIFORNIA  
CALENDAR DATE: MONTH(spell out): February DAY 14 YEAR 1979

(leave blank)

CALIFORNIA ARRIVAL TIME: 1600  
DEPARTURE TIME: 1740  
RECORDER'S SIGNATURE: Stephen Pace  
PURPOSE OF STATION VISIT:

- |                      |                          |                     |   |
|----------------------|--------------------------|---------------------|---|
| 1) Visual Inspection | <input type="checkbox"/> | 2) Instrument Check | <input type="checkbox"/>                    |
| 3) Tape Change       | <input type="checkbox"/> | 4) Battery Change   | <input type="checkbox"/>                    |
| 5) Damage Repair     | <input type="checkbox"/> | 6) Other            | <input checked="" type="checkbox"/> : _____ |

PHYSICAL DATA:

INSTALL METERS

DIRECTION TOWARD WHICH CURRENT IS FLOWING (degrees magnetic): 265° Mag  
TIME: 1715 EBB OR FLOOD?: ebb  
FLOW METER READINGS (start): 000000 (end) 004213  
FLOW METER TIMES (in water): 1716 (out of water): 1721

(leave blank)

COMMENTS ON CURRENT: \_\_\_\_\_  
BUCKET TEMPERATURE °C: 10.8°C  
SALINITY BOTTLE NUMBER: 70

(leave blank)

REMARKS (problems with equipment, etc.):



CORPS OF ENGINEERS PROJECT DACW07-78-C-0049  
SAN PABLO - CHIPS ISLAND  
GROUND TRUTH DATA SHEET

STATION (spell out): San Chico [F-19] STATION NO.: 4

CALIFORNIA

CALENDAR DATE: MONTH (spell out): January DAY 14 YEAR 1979

(leave blank)

CALIFORNIA ARRIVAL TIME: 1340

DEPARTURE TIME: 1415

RECORDER'S SIGNATURE: Stephen Pace

PURPOSE OF STATION VISIT:

- |                      |                          |  |                           |
|----------------------|--------------------------|--|---------------------------|
| 1) Visual Inspection | <input type="checkbox"/> | 2) Instrument Check                          | <input type="checkbox"/>  |
| 3) Tape Change       | <input type="checkbox"/> | 4) Battery Change                            | <input type="checkbox"/>  |
| 5) Damage Repair     | <input type="checkbox"/> | 6) Other <input checked="" type="checkbox"/> | <u>METER INSTALLATION</u> |

PHYSICAL DATA:

DIRECTION TOWARD WHICH CURRENT IS FLOWING (degrees magnetic): 85° Mag

TIME: 1345 EBB OR FLOOD?: Flood

FLOW METER READINGS (start): 000000 (end): 008332

FLOW METER TIMES (in water): 1345 (out of water): 1350

(leave blank)

COMMENTS ON CURRENT:

BUCKET TEMPERATURE °C: 10.7°

SALINITY BOTTLE NUMBER: 65

(leave blank)

REMARKS (problems with equipment, etc.):



CORPS OF ENGINEERS PROJECT DACW07-78-C-0049  
SAN PABLO - CHIPS ISLAND  
GROUND TRUTH DATA SHEET

STATION(spell out): Chips Island [27] STATION NO.: 5

CALIFORNIA  
CALENDAR DATE: MONTH(spell out): February DAY 14 YEAR 1979

(leave blank)

CALIFORNIA ARRIVAL TIME: 1200

DEPARTURE TIME: 1315

RECORDER'S SIGNATURE: Stephen Pace

PURPOSE OF STATION VISIT:

- |                      |                          |  |                          |
|----------------------|--------------------------|--|--------------------------|
| 1) Visual Inspection | <input type="checkbox"/> | 2) Instrument Check                          | <input type="checkbox"/> |
| 3) Tape Change       | <input type="checkbox"/> | 4) Battery Change                            | <input type="checkbox"/> |
| 5) Damage Repair     | <input type="checkbox"/> | 6) Other <input checked="" type="checkbox"/> | :                        |

PHYSICAL DATA:

METER INSTALLATION

DIRECTION TOWARD WHICH CURRENT IS FLOWING (degrees magnetic): 105°

TIME: 1300 EBB OR FLOOD?: Flood

FLOW METER READINGS (start): 093500 (end): 101500

FLOW METER TIMES (in water): 1310 (out of water): 1315

(leave blank)

COMMENTS ON CURRENT: \_\_\_\_\_

BUCKET TEMPERATURE °C: 10.3

SALINITY BOTTLE NUMBER: 123

(leave blank)

REMARKS (problems with equipment, etc.):



CORPS OF ENGINEERS PROJECT DACW07-78-C-0049  
SAN PABLO - CHIPS ISLAND  
GROUND TRUTH DATA SHEET

STATION(spell out): SAN PABLO [9] STATION NO.: 1

CALIFORNIA  
CALENDAR DATE: MONTH(spell out): February DAY 15 YEAR 1979

(leave blank)

CALIFORNIA ARRIVAL TIME: 1100

DEPARTURE TIME: 1145

RECORDER'S SIGNATURE: Stephen Pace

PURPOSE OF STATION VISIT:

1) Visual Inspection ☐

3) Tape Change ☐

5) Damage Repair ☒

2) Instrument Check ☒

4) Battery Change ☐

6) Other ☐ : \_\_\_\_\_

PHYSICAL DATA:

DIRECTION TOWARD WHICH CURRENT IS FLOWING (degrees magnetic): 260° Mag

TIME: 1130 EBB OR FLOOD?: EBB

FLOW METER READINGS (start): 0 (end): 1664

FLOW METER TIMES (in water): 1130 (out of water): 1135

(leave blank)

COMMENTS ON CURRENT: \_\_\_\_\_

BUCKET TEMPERATURE °C: 11°C

SALINITY BOTTLE NUMBER: 62

(leave blank)

REMARKS (problems with equipment, etc.):



CORPS OF ENGINEERS PROJECT DACW07-78-C-0049  
SAN PABLO - CHIPS ISLAND  
GROUND TRUTH DATA SHEET

STATION(spell out): San Pablo STATION NO.: 1

CALIFORNIA  
CALENDAR DATE: MONTH(spell out): February DAY 28 YEAR 1978

(leave blank)

CALIFORNIA ARRIVAL TIME: 0925

DEPARTURE TIME: 0950

RECORDER'S SIGNATURE: J. M. Porter

PURPOSE OF STATION VISIT:

- |                      |                                     |                     |                                     |
|----------------------|-------------------------------------|---------------------|-------------------------------------|
| 1) Visual Inspection | <input type="checkbox"/>            | 2) Instrument Check | <input checked="" type="checkbox"/> |
| 3) Tape Change       | <input checked="" type="checkbox"/> | 4) Battery Change   | <input type="checkbox"/>            |
| 5) Damage Repair     | <input type="checkbox"/>            | 6) Other            | <input type="checkbox"/> : _____    |

YSICAL DATA:

DIRECTION TOWARD WHICH CURRENT IS FLOWING (degrees magnetic): \_\_\_\_\_

TIME: 0950 EBB OR FLOOD?: EBB

FLOW METER READINGS (start): TOO (end): ROUGH

FLOW METER TIMES (in water): TOO (out of water): ROUGH

(leave blank)

COMMENTS ON CURRENT: nearly slack - int ~ 1/4 kt.

BUCKET TEMPERATURE °C: broken thermos

SALINITY BOTTLE NUMBER: 123

(leave blank)

REMARKS (problems with equipment, etc.):

Pipe hobbling cables  
loose from pole again  
Very windy & Rough!



CORPS OF ENGINEERS PROJECT DACW07-78-C-0049  
SAN PABLO - CHIPS ISLAND  
GROUND TRUTH DATA SHEET

STATION(spell out): Carpenter Strait STATION NO.: 2

CALIFORNIA  
CALENDAR DATE: MONTH(spell out): February DAY 28 YEAR 1979

(leave blank)

CALIFORNIA ARRIVAL TIME: 1020

DEPARTURE TIME: 1050

RECORDER'S SIGNATURE: S. Pace

PURPOSE OF STATION VISIT:

- |                      |                                     |  |                          |
|----------------------|-------------------------------------|--|--------------------------|
| 1) Visual Inspection | <input type="checkbox"/>            | 2) Instrument Check                          | <input type="checkbox"/> |
| 3) Tape Change       | <input checked="" type="checkbox"/> | 4) Battery Change                            | <input type="checkbox"/> |
| 5) Damage Repair     | <input type="checkbox"/>            | 6) Other <input checked="" type="checkbox"/> | :                        |

PHYSICAL DATA:

DIRECTION TOWARD WHICH CURRENT IS FLOWING (degrees magnetic): 90°

TIME: 1035 EBB OR FLOOD?: Flood

FLOW METER READINGS (start): 0 (end): 387

FLOW METER TIMES (in water): 1033 (out of water): 1038

(leave blank)

COMMENTS ON CURRENT: \_\_\_\_\_

BUCKET TEMPERATURE °C: Bottom Temperature

SALINITY BOTTLE NUMBER: 137

(leave blank)

REMARKS (problems with equipment, etc.):



CORPS OF ENGINEERS PROJECT DACW07-76-C-0049  
SAN PABLO - CHIPS ISLAND  
GROUND TRUTH DATA SHEET

STATION (spell out): Benicia #6 STATION NO.: 3

CALIFORNIA  
CALENDAR DATE: MONTH (spell out): February DAY 20 YEAR 1979

(leave blank)

CALIFORNIA ARRIVAL TIME: 1110

DEPARTURE TIME: 1135

RECORDER'S SIGNATURE: S. Pace

PURPOSE OF STATION VISIT:

- |                      |                                     |                     |                                  |
|----------------------|-------------------------------------|---------------------|----------------------------------|
| 1) Visual Inspection | <input type="checkbox"/>            | 2) Instrument Check | <input type="checkbox"/>         |
| 3) Tape Change       | <input checked="" type="checkbox"/> | 4) Battery Change   | <input type="checkbox"/>         |
| 5) Damage Repair     | <input type="checkbox"/>            | 6) Other            | <input type="checkbox"/> : _____ |

PHYSICAL DATA:

DIRECTION TOWARD WHICH CURRENT IS FLOWING (degrees magnetic): 30°

TIME: 1115 EBB OR FLOOD?: Flood

FLOW METER READINGS (start): 0 (end): 4028

FLOW METER TIMES (in water): 1115 (out of water): 1120

(leave blank)

COMMENTS ON CURRENT: \_\_\_\_\_

BUCKET TEMPERATURE °C: Broken thermometer

SALINITY BOTTLE NUMBER: 128

(leave blank)

REMARKS (problems with equipment, etc.):



CORPS OF ENGINEERS PROJECT DACW07-78-C-0049  
SAN PABLO - CHIPS ISLAND  
GROUND TRUTH DATA SHEET

STATION(spell out): Port Chicago, [19<sup>E</sup>] STATION NO.: 4

CALIFORNIA

CALENDAR DATE: MONTH(spell out): February DAY 28 YEAR 1979

(leave blank)

CALIFORNIA ARRIVAL TIME: 1155

DEPARTURE TIME: 1210

RECORDER'S SIGNATURE: S. Pace

PURPOSE OF STATION VISIT:

1) Visual Inspection ☐

2) Instrument Check ☐

3) Tape Change ☒

4) Battery Change ☐

5) Damage Repair ☐

6) Other ☐ : \_\_\_\_\_

PHYSICAL DATA:

DIRECTION TOWARD WHICH CURRENT IS FLOWING (degrees magnetic): 90°

TIME: 1200 EBB OR FLOOD?: Flood

FLOW METER READINGS (start): 0 (end): 721

FLOW METER TIMES (in water): 1200 (out of water): 1205

(leave blank)

COMMENTS ON CURRENT: \_\_\_\_\_

BUCKET TEMPERATURE °C: Broken thermometer

SALINITY BOTTLE NUMBER: 66

(leave blank)

REMARKS (problems with equipment, etc.):



CORPS OF ENGINEERS PROJECT DACW07-78-C-0049  
SAN PABLO - CHIPS ISLAND  
GROUND TRUTH DATA SHEET

STATION(spell out): Chips Island [22] STATION NO.: 5

CALIFORNIA  
CALENDAR DATE: MONTH(spell out): February DAY 28 YEAR 79

(leave blank)

CALIFORNIA ARRIVAL TIME: 1228

DEPARTURE TIME: 1250

RECORDER'S SIGNATURE: S. Pace

PURPOSE OF STATION VISIT:

- |                      |                                     |                     |                                  |
|----------------------|-------------------------------------|---------------------|----------------------------------|
| 1) Visual Inspection | <input type="checkbox"/>            | 2) Instrument Check | <input type="checkbox"/>         |
| 3) Tape Change       | <input checked="" type="checkbox"/> | 4) Battery Change   | <input type="checkbox"/>         |
| 5) Damage Repair     | <input type="checkbox"/>            | 6) Other            | <input type="checkbox"/> : _____ |

PHYSICAL DATA:

DIRECTION TOWARD WHICH CURRENT IS FLOWING (degrees magnetic): 135°

TIME: 1229 EBB OR FLOOD?: Flood

FLOW METER READINGS (start): 0 (end): 5290

FLOW METER TIMES (in water): 1230 (out of water): 1235

(leave blank)

COMMENTS ON CURRENT: \_\_\_\_\_

BUCKET TEMPERATURE °C: Broken thermometer

SALINITY BOTTLE NUMBER: No number but "A"

(leave blank)

REMARKS (problems with equipment, etc.):



CORPS OF ENGINEERS PROJECT DACW07-78-C-0049  
SAN PABLO - CHIPS ISLAND  
GROUND TRUTH DATA SHEET

STATION(spell out): Grizzley Bay [delphin] STATION NO.: 86 *error 57*

CALIFORNIA

CALENDAR DATE: MONTH(spell out): February DAY 28 YEAR 1979

(leave blank)

CALIFORNIA ARRIVAL TIME: 1323

DEPARTURE TIME: \_\_\_\_\_

RECORDER'S SIGNATURE: S. Pace

PURPOSE OF STATION VISIT:

- |                      |                                     |                     |                                  |
|----------------------|-------------------------------------|---------------------|----------------------------------|
| 1) Visual Inspection | <input type="checkbox"/>            | 2) Instrument Check | <input type="checkbox"/>         |
| 3) Tape Change       | <input checked="" type="checkbox"/> | 4) Battery Change   | <input type="checkbox"/>         |
| 5) Damage Repair     | <input type="checkbox"/>            | 6) Other            | <input type="checkbox"/> : _____ |

PHYSICAL DATA:

DIRECTION TOWARD WHICH CURRENT IS FLOWING (degrees magnetic): N/A

TIME: 1324 EBB OR FLOOD?: Flood

FLOW METER READINGS (start): N/A (end): \_\_\_\_\_

FLOW METER TIMES (in water): N/A (out of water): \_\_\_\_\_

(leave blank)

COMMENTS ON CURRENT: \_\_\_\_\_

BUCKET TEMPERATURE °C: Broken thermometer

SALINITY BOTTLE NUMBER: Oz bottle #26

(leave blank)

REMARKS (problems with equipment, etc.):



CORPS OF ENGINEERS PROJECT DACW07-78-C-0049  
SAN PABLO - CHIPS ISLAND  
GROUND TRUTH DATA SHEET

STATION (spell out): San Pablo S#97 STATION NO.: 1

CALIFORNIA  
CALENDAR DATE: MONTH (spell out): March DAY 19 YEAR '79

(leave blank)

CALIFORNIA ARRIVAL TIME: 1230

DEPARTURE TIME: \_\_\_\_\_

RECORDER'S SIGNATURE: Stephen Pace

PURPOSE OF STATION VISIT:

- |                      |                                     |                     |                                     |
|----------------------|-------------------------------------|---------------------|-------------------------------------|
| 1) Visual Inspection | <input checked="" type="checkbox"/> | 2) Instrument Check | <input checked="" type="checkbox"/> |
| 3) Tape Change       | <input checked="" type="checkbox"/> | 4) Battery Change   | <input checked="" type="checkbox"/> |
| 5) Damage Repair     | <input type="checkbox"/>            | 6) Other            | <input type="checkbox"/> : _____    |

PHYSICAL DATA:

DIRECTION TOWARD WHICH CURRENT IS FLOWING (degrees magnetic): N/A

TIME: 1435 EBB OR FLOOD?: \_\_\_\_\_

FLOW METER READINGS (start): N/A (end): \_\_\_\_\_

FLOW METER TIMES (in water): N/A (out of water): \_\_\_\_\_

(leave blank)

COMMENTS ON CURRENT: Shut

BUCKET TEMPERATURE °C: 14.1

SALINITY BOTTLE NUMBER: 55

(leave blank)

REMARKS (problems with equipment, etc.):



CORPS OF ENGINEERS PROJECT DACW07-78-C-0049  
SAN PABLO - CHIPS ISLAND  
GROUND TRUTH DATA SHEET

STATION(spell out): Carpenter STATION NO.: 2

CALIFORNIA

CALENDAR DATE: MONTH(spell out): March DAY 19 YEAR 79

(leave blank)

CALIFORNIA ARRIVAL TIME: 1600

DEPARTURE TIME: 1815

RECORDER'S SIGNATURE: B. Carpenter

PURPOSE OF STATION VISIT:

- |                      |   |                     |                                     |
|----------------------|---|---------------------|-------------------------------------|
| 1) Visual Inspection | <input checked="" type="checkbox"/>             | 2) Instrument Check | <input checked="" type="checkbox"/> |
| 3) Tape Change       | <input checked="" type="checkbox"/>             | 4) Battery Change   | <input checked="" type="checkbox"/> |
| 5) Damage Repair     | <input checked="" type="checkbox"/> (corrosion) | 6) Other            | <input type="checkbox"/> : _____    |

PHYSICAL DATA:

DIRECTION TOWARD WHICH CURRENT IS FLOWING (degrees magnetic): \_\_\_\_\_

TIME: 1800 EBB OR FLOOD?: EBB

FLOW METER READINGS (start): \_\_\_\_\_ (end): \_\_\_\_\_

FLOW METER TIMES (in water): \_\_\_\_\_ (out of water): \_\_\_\_\_

(leave blank)

COMMENTS ON CURRENT: very slight ebb at interog. time

BUCKET TEMPERATURE °C: \_\_\_\_\_

SALINITY BOTTLE NUMBER: 64

(leave blank)

REMARKS (problems with equipment, etc.):

see data logger ch. sheets



CORPS OF ENGINEERS PROJECT DACW07-78-C-0049  
SAN PABLO - CHIPS ISLAND  
GROUND TRUTH DATA SHEET

STATION(spell out): Buicia [6] STATION NO.: 3

CALIFORNIA  
CALENDAR DATE: MONTH(spell out): March DAY 20 YEAR 1979

(leave blank)

CALIFORNIA ARRIVAL TIME: 0846

DEPARTURE TIME: 0925

RECORDER'S SIGNATURE: S. Pace

PURPOSE OF STATION VISIT:

- |                      |                                     |                     |                                     |
|----------------------|-------------------------------------|---------------------|-------------------------------------|
| 1) Visual Inspection | <input checked="" type="checkbox"/> | 2) Instrument Check | <input checked="" type="checkbox"/> |
| 3) Tape Change       | <input checked="" type="checkbox"/> | 4) Battery Change   | <input checked="" type="checkbox"/> |
| 5) Damage Repair     | <input type="checkbox"/>            | 6) Other            | <input type="checkbox"/> : _____    |

PHYSICAL DATA:

DIRECTION TOWARD WHICH CURRENT IS FLOWING (degrees magnetic): 220 <sup>ships, compass</sup> 134

TIME: 0916 EBB OR FLOOD?: ebb

FLOW METER READINGS (start): 0 (end): 8326

FLOW METER TIMES (in water): 0916 (out of water): 0921

(leave blank)

COMMENTS ON CURRENT: \_\_\_\_\_

BUCKET TEMPERATURE °C: 13.3

SALINITY BOTTLE NUMBER: #82

(leave blank)

REMARKS (problems with equipment, etc.):



CORPS OF ENGINEERS PROJECT DACW07-78-C-0049  
SAN PABLO - CHIPS ISLAND  
GROUND TRUTH DATA SHEET

STATION(spell out): Port Chicago STATION NO.: 04

CALIFORNIA  
CALENDAR DATE: MONTH(spell out): March DAY 20 YEAR 1979

(leave blank)

CALIFORNIA ARRIVAL TIME: 0950

DEPARTURE TIME: 1035

RECORDER'S SIGNATURE: R. Bladen

PURPOSE OF STATION VISIT:

- |                      |                                     |                     |   |
|----------------------|-------------------------------------|---------------------|---|
| 1) Visual Inspection | <input type="checkbox"/>            | 2) Instrument Check | <input checked="" type="checkbox"/>                   |
| 3) Tape Change       | <input checked="" type="checkbox"/> | 4) Battery Change   | <input checked="" type="checkbox"/>                   |
| 5) Damage Repair     | <input type="checkbox"/>            | 6) Other            | <input checked="" type="checkbox"/> : <u>recorder</u> |

PHYSICAL DATA:

DIRECTION TOWARD WHICH CURRENT IS FLOWING (degrees magnetic): 250 <sup>ships</sup> <sub>compass</sub>

TIME: 10:00 EBB OR FLOOD?: EBB

FLOW METER READINGS (start): 00000 (end): 20844

FLOW METER TIMES (in water): 00:15 (out of water): 1005

(leave blank)

COMMENTS ON CURRENT: moderate ebb

BUCKET TEMPERATURE °C: 14.4°C

SALINITY BOTTLE NUMBER: 67

(leave blank)

REMARKS (problems with equipment, etc.): New recorder installed



CORPS OF ENGINEERS PROJECT DACW07-78-C-0049  
SAN PABLO - CHIPS ISLAND  
GROUND TRUTH DATA SHEET

STATION(spell out): Chips Island #27 STATION NO.: 05

CALIFORNIA

CALENDAR DATE: MONTH(spell out): March DAY 20 YEAR 79

(leave blank)

CALIFORNIA ARRIVAL TIME: 10:50 PDT

DEPARTURE TIME: 11:30

RECORDER'S SIGNATURE: RBell

PURPOSE OF STATION VISIT:

1) Visual Inspection ☐

2) Instrument Check ☒

3) Tape Change ☒

4) Battery Change ☒

5) Damage Repair ☐

6) Other ☐ : \_\_\_\_\_

PHYSICAL DATA:

DIRECTION TOWARD WHICH CURRENT IS FLOWING (degrees magnetic): 265 <sup>Ship's</sup> <sub>Compass</sub>

TIME: 11:15 EBB OR FLOOD?: EBB

FLOW METER READINGS (start): 0000 (end): 9890

FLOW METER TIMES (in water): 1100 (out of water): 1105

(leave blank)

COMMENTS ON CURRENT: Moderate ebb

BUCKET TEMPERATURE °C: 14.5

SALINITY BOTTLE NUMBER: 96

(leave blank)

REMARKS (problems with equipment, etc.): Batteries dead on arrival  
top meter half out of water  
Seems only slight submerged



CORPS OF ENGINEERS PROJECT DACW07-78-C-0049  
SAN PABLO - CHIPS ISLAND  
GROUND TRUTH DATA SHEET

STATION(spell out): Grizzley Bay (dolphin) STATION NO.: 06

CALIFORNIA

CALENDAR DATE: MONTH(spell out): March DAY 20 YEAR 79

(leave blank)

CALIFORNIA ARRIVAL TIME: 1235

DEPARTURE TIME: \_\_\_\_\_

RECORDER'S SIGNATURE: [Signature]

PURPOSE OF STATION VISIT:

1) Visual Inspection ☐

2) Instrument Check ☒

3) Tape Change ☒

4) Battery Change ☒

5) Damage Repair ☐

6) Other ☐: \_\_\_\_\_

PHYSICAL DATA:

DIRECTION TOWARD WHICH CURRENT IS FLOWING (degrees magnetic): \_\_\_\_\_

TIME: \_\_\_\_\_ EBB OR FLOOD?: \_\_\_\_\_

FLOW METER READINGS (start): \_\_\_\_\_ (end): \_\_\_\_\_

FLOW METER TIMES (in water): \_\_\_\_\_ (out of water): \_\_\_\_\_

(leave blank)

COMMENTS ON CURRENT: \_\_\_\_\_

BUCKET TEMPERATURE °C: 16.5

SALINITY BOTTLE NUMBER: 52

(leave blank)

REMARKS (problems with equipment, etc.):



STATION (spell out): San Pablo STATION NO.: 1

CALIFORNIA

CALENDAR DATE: MONTH (spell out): April DAY 4 YEAR 1996

(Leave blank)

CALIFORNIA ARRIVAL TIME: 0900

DEPARTURE TIME: 0940

RECORDER'S SIGNATURE: [Signature]

PURPOSE OF STATION VISIT:

- |                      |                                     |                     |                                     |
|----------------------|-------------------------------------|---------------------|-------------------------------------|
| 1) Visual Inspection | <input checked="" type="checkbox"/> | 2) Instrument Check | <input type="checkbox"/>            |
| 3) Tape Change       | <input checked="" type="checkbox"/> | 4) Battery Change   | <input checked="" type="checkbox"/> |
| 5) Damage Repair     | <input type="checkbox"/>            | 6) Other            | <input type="checkbox"/> : _____    |

PHYSICAL DATA:

DIRECTION TOWARD WHICH CURRENT IS FLOWING (degrees magnetic): 232°

TIME: 0918 EBB OR FLOOD?: ebb

FLOW METER READINGS (start): 001515 (end): 29357

FLOW METER TIMES (in water): 0015 (out of water): 0036

(Leave blank)

REMARKS ON CURRENT:

AIR/NET TEMPERATURE: \_\_\_\_\_

SALINITY BOTTLE NUMBER: 4

(Leave blank)

REMARKS (problems with equipment, etc.):



STATE OF CALIFORNIA PROJECT DATA SHEET  
CALIFORNIA - THE STATE OF  
NORTH OCEAN

STATION(spell out): Long Beach 1500 STATION NO.: 42

CALIFORNIA

CALENDAR DATE: MONTH(spell out): April DAY 4 YEAR 1972

(leave blank)

CALIFORNIA ARRIVAL TIME: 1015

DEPARTURE TIME: 1040

RECORDER'S SIGNATURE: Marty L. Lutterman

PURPOSE OF STATION VISIT:

1) Visual Inspection



2) Instrument Check



3) Tape Change



4) Battery Change



5) Damage Repair



6) Other ☐ :

PHYSICAL DATA:

DIRECTION TOWARD WHICH CURRENT IS FLOWING (degrees magnetic): 272

TIME: 1033 EBB OR FLOOD?: ebb

FLOW METER READINGS (start): 29358 (end): 45032

FLOW METER TIMES (in water): 1029:30 (out of water): 1037:00

(leave blank)

COMMENTS ON CURRENT:

BUCKET TEMPERATURE °C: 15.0

SALINITY BOTTLE NUMBER: 5

(leave blank)

REMARKS (problems with equipment, etc.):



COAST GUARD VESSEL REPORT FORM CG-71-0-149  
SAN FRANCISCO DISTRICT  
WOUND TIDE DATA SHEET

STATION (spell out): \_\_\_\_\_ STATION NO.: \_\_\_\_\_

CALIFORNIA

CALENDAR DATE: MONTH (spell out): April DAY 4 YEAR 79

(leave blank)

CALIFORNIA ARRIVAL TIME: 1105

DEPARTURE TIME: \_\_\_\_\_

RECORDER'S SIGNATURE: [Signature]

PURPOSE OF STATION VISIT:

- |                      |                                     |                     |                                     |
|----------------------|-------------------------------------|---------------------|-------------------------------------|
| 1) Visual Inspection | <input checked="" type="checkbox"/> | 2) Instrument Check | <input type="checkbox"/>            |
| 3) Tape Change       | <input checked="" type="checkbox"/> | 4) Battery Change   | <input checked="" type="checkbox"/> |
| 5) Damage Repair     | <input type="checkbox"/>            | 6) Other            | <input type="checkbox"/> : _____    |

PHYSICAL DATA:

DIRECTION TOWARD WHICH CURRENT IS FLOWING (degrees magnetic): 220

TIME: 1112 EBB OR FLOOD?: ebb

FLOW METER READINGS (start): 45030 (end): 72859

FLOW METER TIMES (in water): 11:17 (out of water): 11:31:30

(leave blank)

COMMENTS ON CURRENT: \_\_\_\_\_

BUCKET TEMPERATURE °C: 16

SALINITY BOTTLE NUMBER: 83

(leave blank)

REMARKS (problems with equipment, etc.):



COAST & ENGINEERS PROJECT EACW-11-10-100  
NEW BRIDGE - CHIEF ISLAND  
SOUND, SOUTH LATA, TONGAREVA

STATION(spell out): Port Chicago (#19) STATION NO.: 4

CALIFORNIA

CALENDAR DATE: MONTH(spell out): April DAY 4 YEAR 1979

(leave blank)

CALIFORNIA ARRIVAL TIME: 1205

DEPARTURE TIME: 1240

RECORDER'S SIGNATURE: Philip M. Donald

PURPOSE OF STATION VISIT:

- |                      |                                     |                     |                                     |
|----------------------|-------------------------------------|---------------------|-------------------------------------|
| 1) Visual Inspection | <input checked="" type="checkbox"/> | 2) Instrument Check | <input type="checkbox"/>            |
| 3) Tape Change       | <input checked="" type="checkbox"/> | 4) Battery Change   | <input checked="" type="checkbox"/> |
| 5) Damage Repair     | <input type="checkbox"/>            | 6) Other            | <input type="checkbox"/> : _____    |

PHYSICAL DATA:

DIRECTION TOWARD WHICH CURRENT IS FLOWING (degrees magnetic): 258

TIME: 1215 EBB OR FLOOD?: ebb

FLOW METER READINGS (start): 72860 (end): 104531

FLOW METER TIMES (in water): 1210 (out of water): 1226

(leave blank)

COMMENTS ON CURRENT: \_\_\_\_\_

BUCKET TEMPERATURE °C: 15.7

SALINITY BOTTLE NUMBER: 85

(leave blank)

REMARKS (problems with equipment, etc.):



CLIPS OF ENGINEERS PROJECT 140WCT-70-C-1049  
SAN PABLO - CHIPS ISLAND  
GROUND TRUTH DATA SHEET

STATION(spell out): Chips Island (27) STATION NO.: 5

CALIFORNIA

CALENDAR DATE: MONTH(spell out): April DAY 4 YEAR 1979

(leave blank)

CALIFORNIA ARRIVAL TIME: 1255

DEPARTURE TIME: 1315

RECORDER'S SIGNATURE: Philip M. Donald

PURPOSE OF STATION VISIT:

- |                      |                                     |                     |                                     |
|----------------------|-------------------------------------|---------------------|-------------------------------------|
| 1) Visual Inspection | <input checked="" type="checkbox"/> | 2) Instrument Check | <input type="checkbox"/>            |
| 3) Tape Change       | <input checked="" type="checkbox"/> | 4) Battery Change   | <input checked="" type="checkbox"/> |
| 5) Damage Repair     | <input type="checkbox"/>            | 6) Other            | <input type="checkbox"/> : _____    |

PHYSICAL DATA:

DIRECTION TOWARD WHICH CURRENT IS FLOWING (degrees magnetic): 268

TIME: 1300 EBB OR FLOOD?: Ebb

FLOW METER READINGS (start): 104530 (end): 131446

FLOW METER TIMES (in water): 1300 (out of water): 1314

(leave blank)

COMMENTS ON CURRENT: \_\_\_\_\_

BUCKET TEMPERATURE °C: 15.0

SALINITY BOTTLE NO. OR: 57

(leave blank)

REMARKS (problems with equipment, etc.):



COASTS OF ENGINEERS PROJECT EACWCT-11-C-0049  
SAN FABILO - CHIPS ISLAND  
GROUND TRUTH DATA SHEET

STATION(spell out): Grizzley Bay STATION NO.: 6

CALIFORNIA

CALENDAR DATE: MONTH(spell out): April DAY 4 YEAR 1979

(leave blank)

CALIFORNIA ARRIVAL TIME: 1345

DEPARTURE TIME: \_\_\_\_\_

RECORDER'S SIGNATURE: Rp McDonald

PURPOSE OF STATION VISIT:

- |                      |                                     |                     |                                     |
|----------------------|-------------------------------------|---------------------|-------------------------------------|
| 1) Visual Inspection | <input checked="" type="checkbox"/> | 2) Instrument Check | <input type="checkbox"/>            |
| 3) Tape Change       | <input checked="" type="checkbox"/> | 4) Battery Change   | <input checked="" type="checkbox"/> |
| 5) Damage Repair     | <input type="checkbox"/>            | 6) Other            | <input type="checkbox"/> : _____    |

PHYSICAL DATA:

DIRECTION TOWARD WHICH CURRENT IS FLOWING (degrees magnetic): 156

TIME: \_\_\_\_\_ EBB OR FLOOD?: \_\_\_\_\_

FLOW METER READINGS (start): NA (end): \_\_\_\_\_

FLOW METER TIMES (in water): \_\_\_\_\_ (out of water): \_\_\_\_\_

(leave blank)

COMMENTS ON CURRENT: \_\_\_\_\_

BUCKET TEMPERATURE °C: 18°C (surface)

SALINITY BOTTLE NUMBER: 84

(leave blank)

REMARKS (problems with equipment, etc.):



SAN PABLO - CHIES ISLAND

GROUND TRUTH DATA SHEET

STATION (spell out): San Pablo STATION NO.: 1

CALIFORNIA

CALENDAR DATE: MONTH (spell out): April DAY 19 YEAR 79

(leave blank)

CALIFORNIA ARRIVAL TIME: 0945DEPARTURE TIME: 1320RECORDER'S SIGNATURE: Julia Glasgow

PURPOSE OF STATION VISIT

- |                      |                                     |                     |                                  |
|----------------------|-------------------------------------|---------------------|----------------------------------|
| 1) Visual Inspection | <input checked="" type="checkbox"/> | 2) Instrument Check | <input type="checkbox"/>         |
| 3) Tape Change       | <input checked="" type="checkbox"/> | 4) Battery Change   | <input type="checkbox"/>         |
| 5) Damage Repair     | <input type="checkbox"/>            | 6) Other            | <input type="checkbox"/> : _____ |

## PHYSICAL DATA:

DIRECTION TOWARD WHICH CURRENT IS FLOWING (degrees magnetic, : 225TIME: 1255 EBB OR FLOOD?: FloodFLOW METER READINGS (start): 132660 (end): 151596FLOW METER TIMES (in water): 1248 (out of water): 1254

(leave blank)

COMMENTS ON CURRENT: Strong floodBUCKET TEMPERATURE °C: 15.5°SALINITY BOTTLE NUMBER: 36

(leave blank)

REMARKS (problems with equipment, etc.):



U.S. DEPARTMENT OF COMMERCE  
BUREAU OF MARINE RESEARCH  
SAN DIEGO - CALIF. ISLAND  
STATION (spell out):

STATION (spell out): Carquinez Straits STATION NO.: 2

CALIFORNIA

CALENDAR DATE: MONTH (spell out): April DAY 19 YEAR 1977

(leave blank)

CALIFORNIA ARRIVAL TIME: 1430

DEPARTURE TIME: 1800

RECORDER'S SIGNATURE: Quinn H. Rogers

PURPOSE OF STATION VISIT:

1) Visual Inspection ☒

2) Instrument Check ☒

3) Tape Change ☒

4) Battery Change ☒

5) Damage Repair ☒

6) Other ☐ : \_\_\_\_\_

PHYSICAL DATA:

DIRECTION TOWARD WHICH CURRENT IS FLOWING (degrees magnetic): 265

TIME: 1537 EBB OR FLOOD?: end of ebb

FLOW METER READINGS (start): N/A (not taken) (end): 265

FLOW METER TIMES (in water): \_\_\_\_\_ (out of water): \_\_\_\_\_

(leave blank)

COMMENTS ON CURRENT: Steady by apparent time

BUCKET TEMPERATURE °C: 15.5°

SALINITY BOTTLE NUMBER: 29

(leave blank)

REMARKS (problems with equipment, etc.):

Steady



COAST GUARD VESSEL REPORT (PORT-TO-PORT)  
SAN DIEGO - CHINA ISLAND  
WIND TIDE DATA SHEET

STATION (spell out): Bonita / Bonita STATION NO.: 47 / 3

CALIFORNIA

CALENDAR DATE: MONTH (spell out): April DAY 20 YEAR 1979

(leave blank)

CALIFORNIA ARRIVAL TIME: 0850

DEPARTURE TIME: \_\_\_\_\_

RECORDER'S SIGNATURE: Marty L. Hansen

PURPOSE OF STATION VISIT:

1) Visual Inspection ☒

2) Instrument Check ☒

3) Tape Change ☒

4) Battery Change ☒

5) Damage Repair ☐

6) Other ☒ : Dine to attach rope

PHYSICAL DATA:

around piling to anchor - prevent swirling

DIRECTION TOWARD WHICH CURRENT IS FLOWING (degrees magnetic): 215

TIME: 10:45 EBB OR FLOOD?: EBB

FLOW METER READINGS (start): 150,000 (end): 159,520

FLOW METER TIMES (in water): 1045 (out of water): 1050

(leave blank)

COMMENTS ON CURRENT: Light ebb

BUCKET TEMPERATURE °C: 15.5°C

SALINITY BOTTLE NUMBER: 38

(leave blank)

REMARKS (problems with equipment, etc.):



REMARKS (problems with equipment, etc.):



[illegible]

CALENDAR DATE: MONTH (spell out): April DAY 20 YEAR 79

REMARKS (problems with equipment, etc.): *Nullimeter, S.I. tendency called to auto locking*



U.S. COAST AND GEODETIC SURVEY  
CALIFORNIA - CHIEF STATION  
STATION NO. 17

STATION (spell out): Point Reyes STATION NO.: 6

CALIFORNIA

CALENDAR DATE: MONTH (spell out): April DAY 20 YEAR 1904

(leave blank)

CALIFORNIA ARRIVAL TIME: 1830

DEPARTURE TIME: 1905

RECORDER'S SIGNATURE: A. J. Stevenson

PURPOSE OF STATION VISIT:

- |                      |                                     |                     |                                     |
|----------------------|-------------------------------------|---------------------|-------------------------------------|
| 1) Visual Inspection | <input type="checkbox"/>            | 2) Instrument Check | <input checked="" type="checkbox"/> |
| 3) Tape Change       | <input checked="" type="checkbox"/> | 4) Battery Change   | <input checked="" type="checkbox"/> |
| 5) Damage Repair     | <input type="checkbox"/>            | 6) Other            | <input type="checkbox"/> : _____    |

PHYSICAL DATA:

DIRECTION TOWARD WHICH CURRENT IS FLOWING (degrees magnetic): \_\_\_\_\_

TIME: \_\_\_\_\_ EBB OR FLOOD?: \_\_\_\_\_

FLOW METER READINGS (start): \_\_\_\_\_ (end): \_\_\_\_\_

FLOW METER TIMES (in water): \_\_\_\_\_ (out of water): \_\_\_\_\_

(leave blank)

COMMENTS ON CURRENT: ✓

BUCKET TEMPERATURE °C: 15.5°C

SALINITY BOTTLE NUMBER: 35

(leave blank)

REMARKS (problems with equipment, etc.):



CORPS OF ENGINEERS PROJECT DACW07-78-C-0049  
SAN PABLO - CHIPS ISLAND  
GROUND TRUTH DATA SHEET

STATION(spell out): Chippis Is. STATION NO.: 05  
CALIFORNIA  
CALENDAR DATE: MONTH(spell out): May DAY 02 YEAR 74

(leave blank)

CALIFORNIA ARRIVAL TIME: 1320  
DEPARTURE TIME: 1342  
RECORDER'S SIGNATURE: S. Pace  
PURPOSE OF STATION VISIT:

- |                      |                                     |                     |                                  |
|----------------------|-------------------------------------|---------------------|----------------------------------|
| 1) Visual Inspection | <input type="checkbox"/>            | 2) Instrument Check | <input type="checkbox"/>         |
| 3) Tape Change       | <input checked="" type="checkbox"/> | 4) Battery Change   | <input type="checkbox"/>         |
| 5) Damage Repair     | <input type="checkbox"/>            | 6) Other            | <input type="checkbox"/> : _____ |

PHYSICAL DATA:

DIRECTION TOWARD WHICH CURRENT IS FLOWING (degrees magnetic): 270  
TIME: 1340 EBB OR FLOOD?: Ebb  
FLOW METER READINGS (start): 210000 (end): 2185.18  
FLOW METER TIMES (in water): 1337 (out of water): 1341.3

(leave blank)

COMMENTS ON CURRENT: \_\_\_\_\_

BUCKET TEMPERATURE °C: 17.2 °C

SALINITY BOTTLE NUMBER: \_\_\_\_\_

(leave blank)

REMARKS (problems with equipment, etc.): \_\_\_\_\_



## CORPS OF ENGINEERS PROJECT DACW07-78-C-0049

SAN PABLO - CHIPS ISLAND

## GROUND TRUTH DATA SHEET

STATION(spell out): Port Chicago STATION NO.: 04

CALIFORNIA

CALENDAR DATE: MONTH(spell out): May DAY 2 YEAR 79

(leave blank)

CALIFORNIA ARRIVAL TIME: 1210DEPARTURE TIME: 1305RECORDER'S SIGNATURE: Pace

PURPOSE OF STATION VISIT:

- |                      |                                     |                     |                                     |
|----------------------|-------------------------------------|---------------------|-------------------------------------|
| 1) Visual Inspection | <input type="checkbox"/>            | 2) Instrument Check | <input checked="" type="checkbox"/> |
| 3) Tape Change       | <input checked="" type="checkbox"/> | 4) Battery Change   | <input checked="" type="checkbox"/> |
| 5) Damage Repair     | <input type="checkbox"/>            | 6) Other            | <input type="checkbox"/> : _____    |

PHYSICAL DATA:

DIRECTION TOWARD WHICH CURRENT IS FLOWING (degrees magnetic): 215TIME: 1225 EBB OR FLOOD?: EBBFLOW METER READINGS (start): 199000 (end): 209789FLOW METER TIMES (in water): 1230 (out of water): 1235

(leave blank)

COMMENTS ON CURRENT: \_\_\_\_\_

BUCKET TEMPERATURE °C: 17.0°C

SALINITY BOTTLE NUMBER: \_\_\_\_\_

(leave blank)

REMARKS (problems with equipment, etc.): \_\_\_\_\_



U.S. DEPARTMENT OF COMMERCE  
SAN FRANCISCO CHIPS ISLAND  
TIDE GAUGE DATA SHEET

STATION (spell out): Edicia / Martinez STATION NO.: 03

CALIFORNIA

CALENDAR DATE: MONTH (spell out): May DAY 02 YEAR 79

(leave blank)

CALIFORNIA ARRIVAL TIME: 1110

DEPARTURE TIME: 1137

RECORDER'S SIGNATURE: Edicia

PURPOSE OF STATION VISIT:

- |                      |                                     |                     |                                     |
|----------------------|-------------------------------------|---------------------|-------------------------------------|
| 1) Visual Inspection | <input type="checkbox"/>            | 2) Instrument Check | <input checked="" type="checkbox"/> |
| 3) Tape Change       | <input checked="" type="checkbox"/> | 4) Battery Change   | <input checked="" type="checkbox"/> |
| 5) Damage Repair     | <input type="checkbox"/>            | 6) Other            | <input type="checkbox"/> : _____    |

PHYSICAL DATA:

DIRECTION TOWARD WHICH CURRENT IS FLOWING (degrees magnetic): 225

TIME: 1125 EBB OR FLOOD?: Ebb > 3FPS

FLOW METER READINGS (start): 190500 (end): 199406

FLOW METER TIMES (in water): 11:21:00 (out of water): 11:26:00

(leave blank)

COMMENTS ON CURRENT: \_\_\_\_\_

BUCKET TEMPERATURE °C: 16.8

SALINITY BOTTLE NUMBER: \_\_\_\_\_

(leave blank)

REMARKS (problems with equipment, etc.):

Tide Gage 0.0' MLLW



CORPS OF ENGINEERS PROJECT 16007-70-0  
SAN PABLO - CHIPS ISLAND  
GROUND TRUTH DATA SHEET

STATION(spell out): Carquinez Strait STATION NO.: 02

CALIFORNIA

CALENDAR DATE: MONTH(spell out): May DAY 02 YEAR 77

(leave blank)

CALIFORNIA ARRIVAL TIME: 10:10

DEPARTURE TIME: 1035

RECORDER'S SIGNATURE: [Signature]

PURPOSE OF STATION VISIT:

- |                      |                          |                     |                                  |
|----------------------|--------------------------|---------------------|----------------------------------|
| 1) Visual Inspection | <input type="checkbox"/> | 2) Instrument Check | <input type="checkbox"/>         |
| 3) Tape Change       | <input type="checkbox"/> | 4) Battery Change   | <input type="checkbox"/>         |
| 5) Damage Repair     | <input type="checkbox"/> | 6) Other            | <input type="checkbox"/> : _____ |

PHYSICAL DATA:

DIRECTION TOWARD WHICH CURRENT IS FLOWING (degrees magnetic): 270

TIME: 10:20:00 EBB OR FLOOD?: EBB  $\approx$  3 fms

FLOW METER READINGS (start): 183500 (end): 190551

FLOW METER TIMES (in water): 10 20:00 (out of water): 10:25

(leave blank)

COMMENTS ON CURRENT: Moderate ebb

BUCKET TEMPERATURE °C: 16.0

SALINITY BOTTLE NUMBER: —

(leave blank)

REMARKS (problems with equipment, etc.):



CORPS OF ENGINEERS PROJECT DACW07-70-C-0014  
SAN PABLO - CHIPS ISLAND  
GROUND TRUTH DATA SHEET

STATION(spell out): San Pablo STATION NO.: 01

CALIFORNIA  
CALENDAR DATE: MONTH(spell out): May DAY 02 YEAR 77

(leave blank)

CALIFORNIA ARRIVAL TIME: 0915

DEPARTURE TIME: 0945

RECORDER'S SIGNATURE: [Signature]

PURPOSE OF STATION VISIT:

- |                      |                                     |                     |                                     |
|----------------------|-------------------------------------|---------------------|-------------------------------------|
| 1) Visual Inspection | <input checked="" type="checkbox"/> | 2) Instrument Check | <input type="checkbox"/>            |
| 3) Tape Change       | <input checked="" type="checkbox"/> | 4) Battery Change   | <input checked="" type="checkbox"/> |
| 5) Damage Repair     | <input type="checkbox"/>            | 6) Other            | <input type="checkbox"/> : _____    |

PHYSICAL DATA:

DIRECTION TOWARD WHICH CURRENT IS FLOWING (degrees magnetic): --

TIME: 0930 EBB OR FLOOD?: EBB

FLOW METER READINGS (start): NA (end): NA

FLOW METER TIMES (in water): \_\_\_\_\_ (out of water): \_\_\_\_\_

(leave blank)

COMMENTS ON CURRENT: Light Ebb

BUCKET TEMPERATURE °C: 16.0

SALINITY BOTTLE NUMBER: NA

(leave blank)

REMARKS (problems with equipment, etc.): NONE

Didn't find this machine until after we left station on May 2, 1977



CORPS OF ENGINEERS PROJECT DACW07-78-C 0049  
SAN PABLO - CHIPS ISLAND  
GROUND TRUTH DATA SHEET

STATION(spell out): San Pablo STATION NO.: 01

CALIFORNIA  
CALENDAR DATE: MONTH(spell out): May DAY 18 YEAR 79

(leave blank)

CALIFORNIA ARRIVAL TIME: 0735

DEPARTURE TIME: 0945

RECORDER'S SIGNATURE: R. S. Allen

PURPOSE OF STATION VISIT:

- |                      |                                     |                     |   |
|----------------------|-------------------------------------|---------------------|---|
| 1) Visual Inspection | <input checked="" type="checkbox"/> | 2) Instrument Check | <input checked="" type="checkbox"/>                       |
| 3) Tape Change       | <input checked="" type="checkbox"/> | 4) Battery Change   | <input checked="" type="checkbox"/>                       |
| 5) Damage Repair     | <input type="checkbox"/>            | 6) Other            | <input checked="" type="checkbox"/> : <u>Change Zincs</u> |

PHYSICAL DATA:

DIRECTION TOWARD WHICH CURRENT IS FLOWING (degrees magnetic): 175° 20'

TIME: 0810 EBB OR FLOOD?: EBB

FLOW METER READINGS (start): 230.000 (end): 241.055

FLOW METER TIMES (in water): 0810:00 (out of water): 0825:00

(leave blank)

COMMENTS ON CURRENT: Slight ebb

BUCKET TEMPERATURE °C: 17.2

SALINITY BOTTLE NUMBER: 44

(leave blank)

REMARKS (problems with equipment, etc.):



CORPS OF ENGINEERS PROJECT DACW07-78-C-0049  
SAN PABLO - CHIPS ISLAND  
GROUND TRUTH DATA SHEET

STATION(spell out): Grizzly Bay STATION NO.: 06  
CALIFORNIA  
CALENDAR DATE: MONTH(spell out): May DAY 17 YEAR 79

(leave blank)

CALIFORNIA ARRIVAL TIME: 1915

DEPARTURE TIME: 1935

RECORDER'S SIGNATURE: [Signature]

PURPOSE OF STATION VISIT:

- |                      |                                     |                     |                                     |
|----------------------|-------------------------------------|---------------------|-------------------------------------|
| 1) Visual Inspection | <input type="checkbox"/>            | 2) Instrument Check | <input type="checkbox"/>            |
| 3) Tape Change       | <input checked="" type="checkbox"/> | 4) Battery Change   | <input checked="" type="checkbox"/> |
| 5) Damage Repair     | <input type="checkbox"/>            | 6) Other            | <input type="checkbox"/> : _____    |

PHYSICAL DATA:

DIRECTION TOWARD WHICH CURRENT IS FLOWING (degrees magnetic): NA

TIME: 1915 EBB OR FLOOD?: NA

FLOW METER READINGS (start): --- (end): ---

FLOW METER TIMES (in water): --- (out of water): ---

(leave blank)

COMMENTS ON CURRENT: NA

BUCKET TEMPERATURE °C: 19.8

SALINITY BOTTLE NUMBER: 412

(leave blank)

REMARKS (problems with equipment, etc.): Too much silt!



CORPS OF ENGINEERS PROJECT DACW07-78-C-0049  
SAN PABLO - CHIPS ISLAND  
GROUND TRUTH DATA SHEET

STATION(spell out): Chippis Island STATION NO.: 5

CALIFORNIA  
CALENDAR DATE: MONTH(spell out): May DAY 17 YEAR 79

(leave blank)

CALIFORNIA ARRIVAL TIME: 1820

DEPARTURE TIME: 1845

RECORDER'S SIGNATURE: R. J. J. J.

PURPOSE OF STATION VISIT:

- |                      |                                     |                     |                                     |
|----------------------|-------------------------------------|---------------------|-------------------------------------|
| 1) Visual Inspection | <input type="checkbox"/>            | 2) Instrument Check | <input type="checkbox"/>            |
| 3) Tape Change       | <input checked="" type="checkbox"/> | 4) Battery Change   | <input checked="" type="checkbox"/> |
| 5) Damage Repair     | <input type="checkbox"/>            | 6) Other            | <input type="checkbox"/> : _____    |

PHYSICAL DATA:

DIRECTION TOWARD WHICH CURRENT IS FLOWING (degrees magnetic): \_\_\_\_\_

TIME: 1830 EBB OR FLOOD?: Flood

FLOW METER READINGS (start): 230,000 (end): 236,106

FLOW METER TIMES (in water): 1825 30 (out of water): 1830 30

(leave blank)

COMMENTS ON CURRENT: Moderate flood

BUCKET TEMPERATURE °C: 21°C

SALINITY BOTTLE NUMBER: 48

(leave blank)

REMARKS (problems with equipment, etc.):



CORPS OF ENGINEERS PROJECT DACW07-78-C-0049  
SAN PABLO - CHIPS ISLAND  
GROUND TRUTH DATA SHEET

STATION(spell out): Port Chicago STATION NO.: 04

CALIFORNIA

CALENDAR DATE: MONTH(spell out): May DAY 17 YEAR 79

(leave blank)

CALIFORNIA ARRIVAL TIME: 1605

DEPARTURE TIME: 1815

RECORDER'S SIGNATURE: R. S. Miller

PURPOSE OF STATION VISIT:

- |                      |                                     |                     |                                     |
|----------------------|-------------------------------------|---------------------|-------------------------------------|
| 1) Visual Inspection | <input checked="" type="checkbox"/> | 2) Instrument Check | <input checked="" type="checkbox"/> |
| 3) Tape Change       | <input checked="" type="checkbox"/> | 4) Battery Change   | <input checked="" type="checkbox"/> |
| 5) Damage Repair     | <input type="checkbox"/>            | 6) Other            | <input type="checkbox"/> :          |

PHYSICAL DATA:

DIRECTION TOWARD WHICH CURRENT IS FLOWING (degrees magnetic): Slack

TIME: 1610 EBB OR FLOOD?: Slack

FLOW METER READINGS (start): 229,000 (end): 229,469

FLOW METER TIMES (in water): 1610 (out of water): 1615

(leave blank)

COMMENTS ON CURRENT: Slack

BUCKET TEMPERATURE °C: 19.5°C

SALINITY BOTTLE NUMBER: 39

(leave blank)

REMARKS (problems with equipment, etc.):



CORPS OF ENGINEERS PROJECT DACW07-78-C-0049  
SAN PABLO - CHIPS ISLAND  
GROUND TRUTH DATA SHEET

STATION(spell out): Benicia STATION NO.: 03

CALIFORNIA  
CALENDAR DATE: MONTH(spell out): May DAY 17 YEAR 79

(leave blank)

CALIFORNIA ARRIVAL TIME: 1430

DEPARTURE TIME: 1515

RECORDER'S SIGNATURE: R. J. B.

PURPOSE OF STATION VISIT:

- |                      |                                     |                     |                                     |
|----------------------|-------------------------------------|---------------------|-------------------------------------|
| 1) Visual Inspection | <input checked="" type="checkbox"/> | 2) Instrument Check | <input checked="" type="checkbox"/> |
| 3) Tape Change       | <input checked="" type="checkbox"/> | 4) Battery Change   | <input checked="" type="checkbox"/> |
| 5) Damage Repair     | <input type="checkbox"/>            | 6) Other            | <input type="checkbox"/> : _____    |

PHYSICAL DATA:

DIRECTION TOWARD WHICH CURRENT IS FLOWING (degrees magnetic): 235

TIME: 1440 EBB OR FLOOD?: EBB

FLOW METER READINGS (start): 225000 (end): 229150

FLOW METER TIMES (in water): 1440 (out of water): 1445

(leave blank)

COMMENTS ON CURRENT: Light ebb

BUCKET TEMPERATURE °C: 19.2

SALINITY BOTTLE NUMBER: 41

(leave blank)

REMARKS (problems with equipment, etc.):



## CORPS OF ENGINEERS PROJECT DACW07-78-C-0049

SAN PAT O - CHIPS ISLAND

## GROUND TRUTH DATA SHEET

STATION(spell out): Carguinez STATION NO.: 02

CALIFORNIA

CALENDAR DATE: MONTH(spell out): May DAY 17 YEAR 71

(leave blank)

CALIFORNIA ARRIVAL TIME: 0900DEPARTURE TIME: 1315RECORDER'S SIGNATURE: R. S. S. S.

## PURPOSE OF STATION VISIT:

- |                      |                                     |                     |                                  |
|----------------------|-------------------------------------|---------------------|----------------------------------|
| 1) Visual Inspection | <input checked="" type="checkbox"/> | 2) Instrument Check | <input type="checkbox"/>         |
| 3) Tape Change       | <input checked="" type="checkbox"/> | 4) Battery Change   | <input type="checkbox"/>         |
| 5) Damage Repair     | <input checked="" type="checkbox"/> | 6) Other            | <input type="checkbox"/> : _____ |

## PHYSICAL DATA:

DIRECTION TOWARD WHICH CURRENT IS FLOWING (degrees magnetic): 265TIME: 1300.00 EBB OR FLOOD?: EBBFLOW METER READINGS (start): 220000 (end): 228960FLOW METER TIMES (in water): 1300.00 (out of water): 1305

(leave blank)

COMMENTS ON CURRENT: StrongebbBUCKET TEMPERATURE °C: 18.4°CSALINITY BOTTLE NUMBER: 43

(leave blank)

REMARKS (problems with equipment, etc.): replaced missing cable once again. Old cable had corroded through



SAN PABLO - CHIPS ISLAND

## GROUND TRUTH DATA SHEET

STATION(spell out): Channel, R. [Signature] STATION NO.: 6

CALIFORNIA

CALENDAR DATE: MONTH(spell out): May DAY 02 YEAR 77

(leave blank)

CALIFORNIA ARRIVAL TIME: 1413DEPARTURE TIME: 1432RECORDER'S SIGNATURE: S. P. [Signature]

## PURPOSE OF STATION VISIT:

- |                      |                                     |                     |                                     |
|----------------------|-------------------------------------|---------------------|-------------------------------------|
| 1) Visual Inspection | <input type="checkbox"/>            | 2) Instrument Check | <input checked="" type="checkbox"/> |
| 3) Tape Change       | <input checked="" type="checkbox"/> | 4) Battery Change   | <input checked="" type="checkbox"/> |
| 5) Damage Repair     | <input type="checkbox"/>            | 6) Other            | <input type="checkbox"/> : _____    |

## PHYSICAL DATA:

DIRECTION TOWARD WHICH CURRENT IS FLOWING (degrees magnetic): 1TIME: 1419 EBB OR FLOOD?: No current

FLOW METER READINGS (start): \_\_\_\_\_ (end): \_\_\_\_\_

FLOW METER TIMES (in water): \_\_\_\_\_ (out of water): \_\_\_\_\_

(leave blank)

COMMENTS ON CURRENT: None reasonableBUCKET TEMPERATURE °C: 18.5°C

SALINITY BOTTLE NUMBER: \_\_\_\_\_

(leave blank)

REMARKS (problems with equipment, etc.):



## CORPS OF ENGINEERS PROJECT DACW07-78-C-0049

SAN PABLO - CHIPS ISLAND

## GROUND TRUTH DATA SHEET

STATION(spell out): San Pablo STATION NO.: 1

CALIFORNIA

CALENDAR DATE: MONTH(spell out): May DAY 31 YEAR 79

(leave blank)

CALIFORNIA ARRIVAL TIME: 0905DEPARTURE TIME: 0945RECORDER'S SIGNATURE: P. Carpenter

## PURPOSE OF STATION VISIT:

- |                      |                                     |                     |                                     |
|----------------------|-------------------------------------|---------------------|-------------------------------------|
| 1) Visual Inspection | <input type="checkbox"/>            | 2) Instrument Check | <input checked="" type="checkbox"/> |
| 3) Tape Change       | <input checked="" type="checkbox"/> | 4) Battery Change   | <input checked="" type="checkbox"/> |
| 5) Damage Repair     | <input type="checkbox"/>            | 6) Other            | <input type="checkbox"/> : _____    |

## PHYSICAL DATA:

DIRECTION TOWARD WHICH CURRENT IS FLOWING (degrees magnetic): ~218TIME: 0915 EBB OR FLOOD?: EBBFLOW METER READINGS (start): 242851 (end): 257281FLOW METER TIMES (in water): 0916-0 (out of water): 0921-0

(leave blank)

COMMENTS ON CURRENT: moderateBUCKET TEMPERATURE °C: 20.2°SALINITY BOTTLE NUMBER: 65

(leave blank)

REMARKS (problems with equipment, etc.):



CORPS OF ENGINEERS PROJECT DACW07-78-C-0049  
SAN PABLO - CHIPS ISLAND  
GROUND TRUTH DATA SHEET

STATION(spell out): Carquinez STATION NO.: 2

CALIFORNIA

CALENDAR DATE: MONTH(spell out): May DAY 31 YEAR 1979

(leave blank)

CALIFORNIA ARRIVAL TIME: 1023

DEPARTURE TIME: 1050

RECORDER'S SIGNATURE: Donna McDonald

PURPOSE OF STATION VISIT:

- |                      |                                     |                     |                                     |
|----------------------|-------------------------------------|---------------------|-------------------------------------|
| 1) Visual Inspection | <input type="checkbox"/>            | 2) Instrument Check | <input checked="" type="checkbox"/> |
| 3) Tape Change       | <input checked="" type="checkbox"/> | 4) Battery Change   | <input checked="" type="checkbox"/> |
| 5) Damage Repair     | <input type="checkbox"/>            | 6) Other            | <input type="checkbox"/> : _____    |

PHYSICAL DATA:

DIRECTION TOWARD WHICH CURRENT IS FLOWING (degrees magnetic): 276°M

TIME: 1040 EBB OR FLOOD?: Ebb

FLOW METER READINGS (start): 235110 (end): 235134

FLOW METER TIMES (in water): 1035-0 (out of water): 1045-0

(leave blank)

COMMENTS ON CURRENT: Strong ebb

BUCKET TEMPERATURE °C: 19.4

SALINITY BOTTLE NUMBER: 66

(leave blank)

REMARKS (problems with equipment, etc.):



CORPS OF ENGINEERS PROJECT DACW07-78-C-0049  
SAN PABLO - CHIPS ISLAND  
GROUND TRUTH DATA SHEET

STATION(spell out): Benicia STATION NO.: 3

CALIFORNIA

CALENDAR DATE: MONTH(spell out): May DAY 31 YEAR 1979

(leave blank)

CALIFORNIA ARRIVAL TIME: 1115

DEPARTURE TIME: 1140

RECORDER'S SIGNATURE: P. Carpenter

PURPOSE OF STATION VISIT:

1) Visual Inspection ☐

2) Instrument Check ☒

3) Tape Change ☒

4) Battery Change ☒

5) Damage Repair ☐

6) Other ☐ : \_\_\_\_\_

PHYSICAL DATA:

DIRECTION TOWARD WHICH CURRENT IS FLOWING (degrees magnetic): 224°

TIME: 1125 EBB OR FLOOD?: EBB

FLOW METER READINGS (start): 255130 (end): 268816

FLOW METER TIMES (in water): 1117-30 (out of water): 1122-30

(leave blank)

COMMENTS ON CURRENT: fairly strong ebb

BUCKET TEMPERATURE °C: 20.0 °C

SALINITY BOTTLE NUMBER: 62

(leave blank)

REMARKS (problems with equipment, etc.):

all OK



CORPS OF ENGINEERS PROJECT DACW07-78-C-0049  
SAN PABLO - CHIPS ISLAND  
GROUND TRUTH DATA SHEET

STATION(spell out): Port Chicago STATION NO.: 4

CALIFORNIA

CALENDAR DATE: MONTH(spell out): May DAY 31 YEAR 1979

(leave blank)

CALIFORNIA ARRIVAL TIME: 1205

DEPARTURE TIME: 1320

RECORDER'S SIGNATURE: P. Carpenter

PURPOSE OF STATION VISIT:

- |                      |                                     |                     |                                     |
|----------------------|-------------------------------------|---------------------|-------------------------------------|
| 1) Visual Inspection | <input type="checkbox"/>            | 2) Instrument Check | <input checked="" type="checkbox"/> |
| 3) Tape Change       | <input checked="" type="checkbox"/> | 4) Battery Change   | <input checked="" type="checkbox"/> |
| 5) Damage Repair     | <input type="checkbox"/>            | 6) Other            | <input type="checkbox"/> : _____    |

PHYSICAL DATA:

DIRECTION TOWARD WHICH CURRENT IS FLOWING (degrees magnetic): 272

TIME: 1215 EBB OR FLOOD?: EBB

FLOW METER READINGS (start): 268816 (end): 281805

FLOW METER TIMES (in water): 1210-30 (out of water): 1215-30

(leave blank)

COMMENTS ON CURRENT: weakening moderate EBB

BUCKET TEMPERATURE °C: 21.1°

SALINITY BOTTLE NUMBER: 70

(leave blank)

REMARKS (problems with equipment, etc.):



CORPS OF ENGINEERS PROJECT DACW07-78-C-0049  
SAN PABLO - CHIPS ISLAND  
GROUND TRUTH DATA SHEET

STATION(spell out): Chippis Island STATION NO.: 5

CALIFORNIA  
CALENDAR DATE: MONTH(spell out): May DAY 31 YEAR 1979

(leave blank)

CALIFORNIA ARRIVAL TIME: 1340

DEPARTURE TIME: 1410

RECORDER'S SIGNATURE: Rhys M. Donald

PURPOSE OF STATION VISIT:

- |                      |                                     |                     |                                     |
|----------------------|-------------------------------------|---------------------|-------------------------------------|
| 1) Visual Inspection | <input type="checkbox"/>            | 2) Instrument Check | <input checked="" type="checkbox"/> |
| 3) Tape Change       | <input checked="" type="checkbox"/> | 4) Battery Change   | <input checked="" type="checkbox"/> |
| 5) Damage Repair     | <input type="checkbox"/>            | 6) Other            | <input type="checkbox"/> :          |

PHYSICAL DATA:

DIRECTION TOWARD WHICH CURRENT IS FLOWING (degrees magnetic): 270°M

TIME: 1350 EBB OR FLOOD?: Ebb

FLOW METER READINGS (start): 281810 (end): 292042

FLOW METER TIMES (in water): 1350-0 (out of water): 1355-0

(leave blank)

COMMENTS ON CURRENT: light ebb (near slack)

BUCKET TEMPERATURE °C: 25.2

SALINITY BOTTLE NUMBER: 69

(leave blank)

REMARKS (problems with equipment, etc.):



CORPS OF ENGINEERS PROJECT DACW07-78-C-0049  
SAN PABLO - CHIPS ISLAND  
GROUND TRUTH DATA SHEET

STATION(spell out): Lizsly Bay STATION NO.: 6

CALIFORNIA

CALENDAR DATE: MONTH(spell out): May DAY 31 YEAR 1979

(leave blank)

CALIFORNIA ARRIVAL TIME: 1435

DEPARTURE TIME: 1510

RECORDER'S SIGNATURE: P. Carpenter

PURPOSE OF STATION VISIT:

1) Visual Inspection ☐

2) Instrument Check ☒

3) Tape Change ☒

4) Battery Change ☒

5) Damage Repair ☐

6) Other ☐ : \_\_\_\_\_

PHYSICAL DATA:

DIRECTION TOWARD WHICH CURRENT IS FLOWING (degrees magnetic): NA

TIME: \_\_\_\_\_ EBB OR FLOOD?: \_\_\_\_\_

FLOW METER READINGS (start): NA (end): \_\_\_\_\_

FLOW METER TIMES (in water): NA (out of water): \_\_\_\_\_

(leave blank)

COMMENTS ON CURRENT: NA

BUCKET TEMPERATURE °C: 22.5°C

SALINITY BOTTLE NUMBER: 128

(leave blank)

REMARKS (problems with equipment, etc.):

OK



CORPS OF ENGINEERS PROJECT DACW07-78-C-0049  
SAN PABLO - CHIPS ISLAND  
GROUND TRUTH DATA SHEET

STATION(spell out): San Pablo Bay STATION NO.: 1

CALIFORNIA  
CALENDAR DATE: MONTH(spell out): June DAY 27 YEAR 77

(leave blank)

CALIFORNIA ARRIVAL TIME: 0921

DEPARTURE TIME: 1000

RECORDER'S SIGNATURE: \_\_\_\_\_

PURPOSE OF STATION VISIT:

- |                      |                                     |                     |                                     |
|----------------------|-------------------------------------|---------------------|-------------------------------------|
| 1) Visual Inspection | <input type="checkbox"/>            | 2) Instrument Check | <input checked="" type="checkbox"/> |
| 3) Tape Change       | <input checked="" type="checkbox"/> | 4) Battery Change   | <input checked="" type="checkbox"/> |
| 5) Damage Repair     | <input type="checkbox"/>            | 6) Other            | <input type="checkbox"/> : _____    |

PHYSICAL DATA:

DIRECTION TOWARD WHICH CURRENT IS FLOWING (degrees magnetic): 210

TIME: 0935 EBB OR FLOOD?: Ebb 210°M

FLOW METER READINGS (start): 381000 (end): 403290

FLOW METER TIMES (in water): 0929 00 (out of water): 0938 00

(leave blank)

COMMENTS ON CURRENT: \_\_\_\_\_

BUCKET TEMPERATURE °C: 18

SALINITY BOTTLE NUMBER: 60

(leave blank)

REMARKS (problems with equipment, etc.):

OK



CORPS OF ENGINEERS PROJECT DACW07-78-C-0049  
SAN PABLO - CHIPS ISLAND  
GROUND TRUTH DATA SHEET

STATION(spell out): Cañon City STATION NO.: 2

CALIFORNIA  
CALENDAR DATE: MONTH(spell out): June DAY 27 YEAR 79

(leave blank)

CALIFORNIA ARRIVAL TIME: 1039

DEPARTURE TIME: 1110

RECORDER'S SIGNATURE: \_\_\_\_\_

PURPOSE OF STATION VISIT:

- |                      |                                     |                     |                                     |
|----------------------|-------------------------------------|---------------------|-------------------------------------|
| 1) Visual Inspection | <input type="checkbox"/>            | 2) Instrument Check | <input checked="" type="checkbox"/> |
| 3) Tape Change       | <input checked="" type="checkbox"/> | 4) Battery Change   | <input checked="" type="checkbox"/> |
| 5) Damage Repair     | <input type="checkbox"/>            | 6) Other            | <input type="checkbox"/> : _____    |

PHYSICAL DATA:

DIRECTION TOWARD WHICH CURRENT IS FLOWING (degrees magnetic): 255

TIME: \_\_\_\_\_ EBB OR FLOOD?: ebb ≈ 1 hr

FLOW METER READINGS (start): 403300 (end): 413436

FLOW METER TIMES (in water): 104100 (out of water): 105100

(leave blank)

MENTS ON CURRENT: nearly slack

BUCKET TEMPERATURE °C: 19

SALINITY BOTTLE NUMBER: 44

(leave blank)

REMARKS (problems with equipment, etc.):



CORPS OF ENGINEERS PROJECT DACW07-78-C-0049  
SAN PABLO - CHIPS ISLAND  
GROUND TRUTH DATA SHEET

STATION(spell out): Benicia STATION NO.: 3

CALIFORNIA  
CALENDAR DATE: MONTH(spell out): June DAY 27 YEAR 79

(leave blank)

CALIFORNIA ARRIVAL TIME: 1140

DEPARTURE TIME: \_\_\_\_\_

RECORDER'S SIGNATURE: \_\_\_\_\_

PURPOSE OF STATION VISIT:

- |                      |                          |                     |                                  |
|----------------------|--------------------------|---------------------|----------------------------------|
| 1) Visual Inspection | <input type="checkbox"/> | 2) Instrument Check | <input type="checkbox"/>         |
| 3) Tape Change       | <input type="checkbox"/> | 4) Battery Change   | <input type="checkbox"/>         |
| 5) Damage Repair     | <input type="checkbox"/> | 6) Other            | <input type="checkbox"/> : _____ |

PHYSICAL DATA:

DIRECTION TOWARD WHICH CURRENT IS FLOWING (degrees magnetic): 195

TIME: 1145 EBB OR FLOOD?: Ebb 2 fps

FLOW METER READINGS (start): 413400 (end): 4125380

FLOW METER TIMES (in water): 114500 (out of water): 115300

(leave blank)

COMMENTS ON CURRENT: \_\_\_\_\_

BUCKET TEMPERATURE °C: 19

SALINITY BOTTLE NUMBER: 61

(leave blank)

REMARKS (problems with equipment, etc.):



CORPS OF ENGINEERS PROJECT DACW07-78-C-0049  
SAN PABLO - CHIPS ISLAND  
GROUND TRUTH DATA SHEET

STATION(spell out): Port Chicago STATION NO.: 4

CALIFORNIA  
CALENDAR DATE: MONTH(spell out): June DAY 27 YEAR 79

(leave blank)

CALIFORNIA ARRIVAL TIME: ~~1400~~ 1400

DEPARTURE TIME: 1435

RECORDER'S SIGNATURE: \_\_\_\_\_

PURPOSE OF STATION VISIT:

- |                      |                                     |                                     |                                     |
|----------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| 1) Visual Inspection | <input type="checkbox"/>            | 2) Instrument Check                 | <input checked="" type="checkbox"/> |
| 3) Tape Change       | <input checked="" type="checkbox"/> | 4) Battery Change                   | <input checked="" type="checkbox"/> |
| 5) Damage Repair     | <input type="checkbox"/>            | 6) Other <input type="checkbox"/> : | _____                               |

PHYSICAL DATA:

DIRECTION TOWARD WHICH CURRENT IS FLOWING (degrees magnetic): Slack

TIME: 1404 EBB OR FLOOD?: Slack (Slack Flooding)

FLOW METER READINGS (start): 425425 (end): 426813

FLOW METER TIMES (in water): 1404 (out of water): 1417

(leave blank)

COMMENTS ON CURRENT: Slack

BUCKET TEMPERATURE °C: 21

SALINITY BOTTLE NUMBER: 47

(leave blank)

REMARKS (problems with equipment, etc.):

OK



CORPS OF ENGINEERS PROJECT DACW07-78-C-0049  
SAN PABLO - CHIPS ISLAND  
GROUND TRUTH DATA SHEET

STATION(spell out): Chips Island STATION NO.: 5

CALIFORNIA  
CALENDAR DATE: MONTH(spell out): June DAY 27 YEAR 79

(leave blank)

CALIFORNIA ARRIVAL TIME: 1450

DEPARTURE TIME: 1515

RECORDER'S SIGNATURE: \_\_\_\_\_

PURPOSE OF STATION VISIT:

- |                      |                                     |                     |                                     |
|----------------------|-------------------------------------|---------------------|-------------------------------------|
| 1) Visual Inspection | <input type="checkbox"/>            | 2) Instrument Check | <input checked="" type="checkbox"/> |
| 3) Tape Change       | <input checked="" type="checkbox"/> | 4) Battery Change   | <input checked="" type="checkbox"/> |
| 5) Damage Repair     | <input type="checkbox"/>            | 6) Other            | <input type="checkbox"/> : _____    |

PHYSICAL DATA:

DIRECTION TOWARD WHICH CURRENT IS FLOWING (degrees magnetic): 120

TIME: 1459 EBB OR FLOOD?: Flood  $\approx$  2 hrs

FLOW METER READINGS (start): 427000 (end): 436280

FLOW METER TIMES (in water): 1457 (out of water): 1504

(leave blank)

COMMENTS ON CURRENT: flood, strong as leaving

BUCKET TEMPERATURE °C: 21.2

SALINITY BOTTLE NUMBER: 71

(leave blank)

REMARKS (problems with equipment, etc.):



CORPS OF ENGINEERS PROJECT DACW07-78-C-0049  
SAN PABLO - CHIPS ISLAND  
GROUND TRUTH DATA SHEET

STATION(spell out): Grizzly Bay STATION NO.: 6

CALIFORNIA  
CALENDAR DATE: MONTH(spell out): June DAY 27 YEAR 79

(leave blank)

CALIFORNIA ARRIVAL TIME: 1550

DEPARTURE TIME: 1608

RECORDER'S SIGNATURE: \_\_\_\_\_

PURPOSE OF STATION VISIT:

- |                      |                                     |                     |                                     |
|----------------------|-------------------------------------|---------------------|-------------------------------------|
| 1) Visual Inspection | <input type="checkbox"/>            | 2) Instrument Check | <input checked="" type="checkbox"/> |
| 3) Tape Change       | <input checked="" type="checkbox"/> | 4) Battery Change   | <input checked="" type="checkbox"/> |
| 5) Damage Repair     | <input type="checkbox"/>            | 6) Other            | <input type="checkbox"/> : _____    |

PHYSICAL DATA:

DIRECTION TOWARD WHICH CURRENT IS FLOWING (degrees magnetic): 40

TIME: 1555 EBB OR FLOOD?: Flood < 1 g/s

FLOW METER READINGS (start): NA (end): NA

FLOW METER TIMES (in water): NA (out of water): NA

(leave blank)

COMMENTS ON CURRENT: Slight flood

BUCKET TEMPERATURE °C: 20.4

SALINITY BOTTLE NUMBER: 127

(leave blank)

REMARKS (problems with equipment, etc.):

NA Not Applicable



CORPS OF ENGINEERS PROJECT DACW07-78-C-0049  
SAN PABLO - CHIPPS ISLAND  
GROUND TRUTH DATA SHEET

STATION(spell out): San Pablo STATION NO.: 1

CALIFORNIA  
CALENDAR DATE: MONTH(spell out): JULY DAY 17 YEAR 1979

(leave blank)

CALIFORNIA ARRIVAL TIME: 1041

DEPARTURE TIME: \_\_\_\_\_

RECORDER'S SIGNATURE: Frank Caramelli

PURPOSE OF STATION VISIT:

- |                      |                                     |                     |  |
|----------------------|-------------------------------------|---------------------|--|
| 1) Visual Inspection | <input checked="" type="checkbox"/> | 2) Instrument Check | <input checked="" type="checkbox"/>      |
| 3) Tape Change       | <input checked="" type="checkbox"/> | 4) Battery Change   | <input checked="" type="checkbox"/>      |
| 5) Damage Repair     | <input type="checkbox"/>            | 6) Other            | <input type="checkbox"/> : <u>CHANGE</u> |

PHYSICAL DATA:

DIRECTION TOWARD WHICH CURRENT IS FLOWING (degrees magnetic): PROBE 2  
WHAT FLOW THERE IS, IS ABOUT SLACK WATER

TIME: 10:56 EBB OR FLOOD?: START OF EBB

FLOW METER READINGS (start): 458155 (end): 460391

FLOW METER TIMES (in water): 5 MINS. (out of water): 11:01

(leave blank)

COMMENTS ON CURRENT: SLACK WATER but beginning of ebb

BUCKET TEMPERATURE °C: 19.75

SALINITY BOTTLE NUMBER: 119A

(leave blank)

REMARKS (problems with equipment, etc.):



CORPS OF ENGINEERS PROJECT DACW07-78-C-0049  
SAN PABLO - CHIPPS ISLAND  
GROUND TRUTH DATA SHEET

STATION(spell out): CARQUIVEZ STATION NO.: 2

CALIFORNIA  
CALENDAR DATE: MONTH(spell out): July DAY 17 YEAR 79

(leave blank)

CALIFORNIA ARRIVAL TIME: 1602

DEPARTURE TIME: 1745

RECORDER'S SIGNATURE: C. Redman

PURPOSE OF STATION VISIT:

- |                      |                                     |                     |                                     |
|----------------------|-------------------------------------|---------------------|-------------------------------------|
| 1) Visual Inspection | <input checked="" type="checkbox"/> | 2) Instrument Check | <input checked="" type="checkbox"/> |
| 3) Tape Change       | <input checked="" type="checkbox"/> | 4) Battery Change   | <input checked="" type="checkbox"/> |
| 5) Damage Repair     | <input type="checkbox"/>            | 6) Other            | <input type="checkbox"/> :          |

PHYSICAL DATA:

DIRECTION TOWARD WHICH CURRENT IS FLOWING (degrees magnetic): 300  
(COMMS NOT TAKEN BUT FLOW ALONG PIER (SEE CHART))

TIME: 1614 EBB OR FLOOD?: ebb

FLOW METER READINGS (start): 460400 (end): 465292

FLOW METER TIMES (in water): 1615 (out of water): 1620

(leave blank)

COMMENTS ON CURRENT: fairly mild ebb

BUCKET TEMPERATURE °C: 21.5°

SALINITY BOTTLE NUMBER: 116 A

(leave blank)

REMARKS (problems with equipment, etc.):

Shallow water @ 1725

We leave on a mild flood



CORPS OF ENGINEERS PROJECT DACW07-78-C-0049  
SAN PABLO - CHIPPS ISLAND  
GROUND TRUTH DATA SHEET

STATION(spell out): Beneis STATION NO.: 3

CALIFORNIA

CALENDAR DATE: MONTH(spell out): July DAY 13<sup>upper!</sup> YEAR 79

(leave blank)

CALIFORNIA ARRIVAL TIME: 1009

DEPARTURE TIME: \_\_\_\_\_

RECORDER'S SIGNATURE: Conrad Reckert

PURPOSE OF STATION VISIT:

1) Visual Inspection ☒

2) Instrument Check ☒

3) Tape Change ☒

4) Battery Change ☒

5) Damage Repair ☐

6) Other ☐ : TAKE OUT  
TWIST

PHYSICAL DATA:

DIRECTION TOWARD WHICH CURRENT IS FLOWING (degrees magnetic): 210

TIME: 1015 EBB OR FLOOD?: ebb

FLOW METER READINGS (start): 436378 (end): 447587

FLOW METER TIMES (in water): 1017 (out of water): 71022

(leave blank)

COMMENTS ON CURRENT: Strong ebb

BUCKET TEMPERATURE °C: Thermometer just broken

SALINITY BOTTLE NUMBER: 117 A

(leave blank)

REMARKS (problems with equipment, etc.):



## CORPS OF ENGINEERS PROJECT DACW07-78-C-0049

SAN PABLO - CHIPPS ISLAND

## GROUND TRUTH DATA SHEET

STATION(spell out): Port Chicago STATION NO.: 4

CALIFORNIA

CALENDAR DATE: MONTH(spell out): July DAY 13 YEAR 79

(leave blank)

CALIFORNIA ARRIVAL TIME: 1613

DEPARTURE TIME: \_\_\_\_\_

RECORDER'S SIGNATURE: \_\_\_\_\_

PURPOSE OF STATION VISIT:

1) Visual Inspection ☒2) Instrument Check ☒3) Tape Change ☒4) Battery Change ☒5) Damage Repair ☐6) Other ☐ : RECORDER

PHYSICAL DATA:

CHANGEDIRECTION TOWARD WHICH CURRENT IS FLOWING (degrees magnetic): 88°TIME: \_\_\_\_\_ EBB OR FLOOD?: FFLOW METER READINGS (start): 447614 (end): 014865FLOW METER TIMES (in water): 1622 (out of water): 1625  
0902 0907

(leave blank)

COMMENTS ON CURRENT: FloodBUCKET TEMPERATURE °C: broken (sunny)SALINITY BOTTLE NUMBER: 112 A

(leave blank)

REMARKS (problems with equipment, etc.):



CORPS OF ENGINEERS PROJECT DACW07-78-C-0049  
SAN PABLO - CHIPPS ISLAND  
GROUND TRUTH DATA SHEET

STATION(spell out): CHIPPS ISLAND STATION NO.: 5

CALIFORNIA

CALENDAR DATE: MONTH(spell out): July 18 DAY 18 YEAR 79

(leave blank)

CALIFORNIA ARRIVAL TIME: 0930

DEPARTURE TIME: 1331

RECORDER'S SIGNATURE: C. Nishit

PURPOSE OF STATION VISIT:

1) Visual Inspection ☒

2) Instrument Check ☒

3) Tape Change ☒

4) Battery Change ☒

5) Damage Repair ☐

6) Other ☐ : \_\_\_\_\_

PHYSICAL DATA:

DIRECTION TOWARD WHICH CURRENT IS FLOWING (degrees magnetic): 80°

TIME: 1000 EBB OR FLOOD?: flood

FLOW METER READINGS (start): 465690 (end): 477633

FLOW METER TIMES (in water): 1002 (out of water): 1007

(leave blank)

COMMENTS ON CURRENT: fair flood - HEAVY W. WINDS

BUCKET TEMPERATURE °C: 22.0°

SALINITY BOTTLE NUMBER: 115A

(leave blank)

REMARKS (problems with equipment, etc.):

Heavy W. WINDS



CORPS OF ENGINEERS PROJECT DACW07-78-C-0049  
SAN PABLO - CHIPPS ISLAND  
GROUND TRUTH DATA SHEET

STATION(spell out): GRIZZLY BAY STATION NO.: 6

CALIFORNIA  
CALENDAR DATE: MONTH(spell out): July 18 DAY 18 YEAR 77

(leave blank)

CALIFORNIA ARRIVAL TIME: 1400

DEPARTURE TIME: \_\_\_\_\_

RECORDER'S SIGNATURE: Conrad Perkins

PURPOSE OF STATION VISIT:

- |                      |                                     |                     |                                     |
|----------------------|-------------------------------------|---------------------|-------------------------------------|
| 1) Visual Inspection | <input checked="" type="checkbox"/> | 2) Instrument Check | <input checked="" type="checkbox"/> |
| 3) Tape Change       | <input checked="" type="checkbox"/> | 4) Battery Change   | <input checked="" type="checkbox"/> |
| 5) Damage Repair     | <input type="checkbox"/>            | 6) Other            | <input type="checkbox"/> : _____    |

PHYSICAL DATA:

DIRECTION TOWARD WHICH CURRENT IS FLOWING (degrees magnetic): \_\_\_\_\_

TIME: 1423 EBB OR FLOOD?: \_\_\_\_\_

FLOW METER READINGS (start): \_\_\_\_\_ (end): \_\_\_\_\_

FLOW METER TIMES (in water): \_\_\_\_\_ (out of water): \_\_\_\_\_

(leave blank)

COMMENTS ON CURRENT: \_\_\_\_\_

BUCKET TEMPERATURE °C: 23°C

SALINITY BOTTLE NUMBER: 111A

(leave blank)

REMARKS (problems with equipment, etc.):



CORPS OF ENGINEERS PROJECT DACW07-78-C-0049  
SAN PABLO - CHIPPS ISLAND  
GROUND TRUTH DATA SHEET

STATION(spell out): SAN PABLO BAY STATION NO.: 1

CALIFORNIA

CALENDAR DATE: MONTH(spell out): AUGUST DAY 6 YEAR 79

(leave blank)

CALIFORNIA ARRIVAL TIME: 0836

DEPARTURE TIME: 1205

RECORDER'S SIGNATURE: Conrad Redick, R. L. Jones

PURPOSE OF STATION VISIT:

- |                      |                                     |                     |                                     |
|----------------------|-------------------------------------|---------------------|-------------------------------------|
| 1) Visual Inspection | <input type="checkbox"/>            | 2) Instrument Check | <input type="checkbox"/>            |
| 3) Tape Change       | <input checked="" type="checkbox"/> | 4) Battery Change   | <input checked="" type="checkbox"/> |
| 5) Damage Repair     | <input type="checkbox"/>            | 6) Other            | <input type="checkbox"/> : _____    |

PHYSICAL DATA:

DIRECTION TOWARD WHICH CURRENT IS FLOWING (degrees magnetic): 60°

TIME: 0745 EBB OR FLOOD?: EBB

FLOW METER READINGS (start): 4215 (end): 483857

FLOW METER TIMES (in water): 0005 (out of water): \_\_\_\_\_

(leave blank)

COMMENTS ON CURRENT: START OF FLOOD

BUCKET TEMPERATURE °C: 20.0

SALINITY BOTTLE NUMBER: 129

(leave blank)

REMARKS (problems with equipment, etc.):



U.S. ARMY CORPS OF ENGINEERS PROJECT DACW07-78-C-0049  
SAN PABLO - CHIPPS ISLAND  
GROUND TRUTH DATA SHEET

STATION(spell out): CARQUILEZ STATION NO.: 2

CALIFORNIA

CALENDAR DATE: MONTH(spell out): August DAY 6 YEAR 79

(leave blank)

CALIFORNIA ARRIVAL TIME: 1100

DEPARTURE TIME: 1430

RECORDER'S SIGNATURE: Carol Nelson

PURPOSE OF STATION VISIT:

- |                      |                                     |                     |                                     |
|----------------------|-------------------------------------|---------------------|-------------------------------------|
| 1) Visual Inspection | <input type="checkbox"/>            | 2) Instrument Check | <input checked="" type="checkbox"/> |
| 3) Tape Change       | <input checked="" type="checkbox"/> | 4) Battery Change   | <input checked="" type="checkbox"/> |
| 5) Damage Repair     | <input checked="" type="checkbox"/> | 6) Other            | <input type="checkbox"/> : _____    |

PHYSICAL DATA:

DIRECTION TOWARD WHICH CURRENT IS FLOWING (degrees magnetic): 85°

TIME: 1100 EBB OR FLOOD?: FLOOD

FLOW METER READINGS (start): 453864 (end): 475940

FLOW METER TIMES (in water): 1103 (out of water): 1107

(leave blank)

COMMENTS ON CURRENT: BEGINNING OF FLOOD

BUCKET TEMPERATURE °C: 20.0°

SALINITY BOTTLE NUMBER: 139

(leave blank)

REMARKS (problems with equipment, etc.):



CORPS OF ENGINEERS PROJECT DACW07-78-C-0049  
SAN PABLO - CHIPPS ISLAND  
GROUND TRUTH DATA SHEET

STATION(spell out): BENICIA STATION NO.: 3

CALIFORNIA  
CALENDAR DATE: MONTH(spell out): AUGUST DAY 6 YEAR 77

(leave blank)

CALIFORNIA ARRIVAL TIME: 1510

DEPARTURE TIME: 1550

RECORDER'S SIGNATURE: Conrad Nubis

PURPOSE OF STATION VISIT:

- |                      |                                     |                     |                                     |
|----------------------|-------------------------------------|---------------------|-------------------------------------|
| 1) Visual Inspection | <input type="checkbox"/>            | 2) Instrument Check | <input type="checkbox"/>            |
| 3) Tape Change       | <input checked="" type="checkbox"/> | 4) Battery Change   | <input checked="" type="checkbox"/> |
| 5) Damage Repair     | <input type="checkbox"/>            | 6) Other            | <input type="checkbox"/> : _____    |

PHYSICAL DATA:

DIRECTION TOWARD WHICH CURRENT IS FLOWING (degrees magnetic): \_\_\_\_\_

TIME: 1515 EBB OR FLOOD?: FLOOD

FLOW METER READINGS (start): 486.75 (end): 487.05

FLOW METER TIMES (in water): 1515 (out of water): 1520

(leave blank)

COMMENTS ON CURRENT: STILL FLOODING A LITTLE BIT BUT  
JUST JUST ABOUT SLACK

BUCKET TEMPERATURE °C: 22.2°

SALINITY BOTTLE NUMBER: 40

(leave blank)

REMARKS (problems with equipment, etc.):



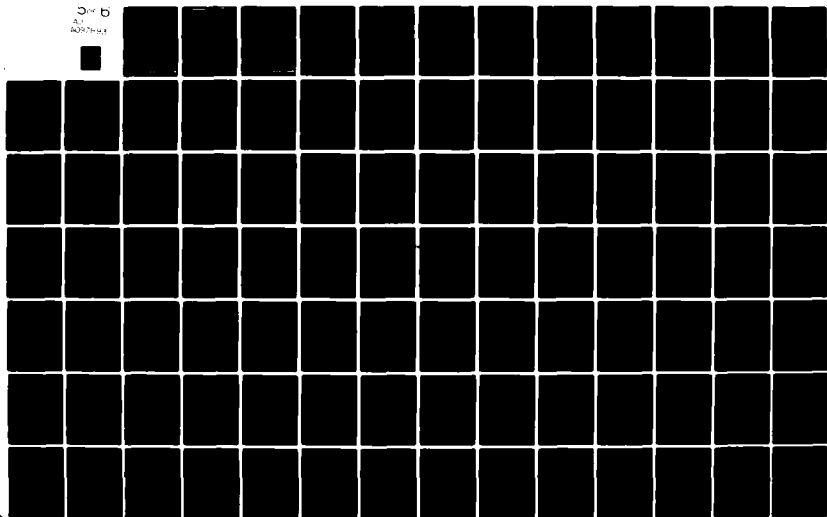
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CORPS OF ENGINEERS PROJECT DACW07-78-C-0049  
SAN DIEGO - CHIPPS ISLAND  
GROUND TRUTH DATA SHEET

STATION(spell out): PORT CHICAGO STATION NO.: 4

CALIFORNIA

CALENDAR DATE: MONTH(spell out): AUGUST DAY 6 YEAR 79

(leave blank)

CALIFORNIA ARRIVAL TIME: 1805

DEPARTURE TIME: 2045

RECORDER'S SIGNATURE: \_\_\_\_\_

PURPOSE OF STATION VISIT:

- |                      |                                     |                     |                                     |
|----------------------|-------------------------------------|---------------------|-------------------------------------|
| 1) Visual Inspection | <input type="checkbox"/>            | 2) Instrument Check | <input checked="" type="checkbox"/> |
| 3) Tape Change       | <input checked="" type="checkbox"/> | 4) Battery Change   | <input checked="" type="checkbox"/> |
| 5) Damage Repair     | <input checked="" type="checkbox"/> | 6) Other            | <input type="checkbox"/> : _____    |

PHYSICAL DATA:

DIRECTION TOWARD WHICH CURRENT IS FLOWING (degrees magnetic): 242°

TIME: 1806 EBB OR FLOOD?: MODERATE EBB

FLOW METER READINGS (start): 4838.45 (end): 4913.89

FLOW METER TIMES (in water): 1808 (out of water): 1812

(leave blank)

COMMENTS ON CURRENT: MODERATE EBB ALSO @ 2030

BUCKET TEMPERATURE °C: 22.2°

SALINITY BOTTLE NUMBER: 134

(leave blank)

REMARKS (problems with equipment, etc.):



CORPS OF ENGINEERS PROJECT PACW07-78-C-0049  
SAN PABLO - CHIPPS ISLAND  
GROUND TRUTH DATA SHEET

STATION(spell out): CHIPPS ISLAND STATION NO.: 5

CALIFORNIA  
CALENDAR DATE: MONTH(spell out): AUGUST DAY 6 YEAR 77

(leave blank)

CALIFORNIA ARRIVAL TIME: 1630

DEPARTURE TIME: 1735

RECORDER'S SIGNATURE: Cornel R. Smith

PURPOSE OF STATION VISIT:

- |                      |                                     |                     |                                     |
|----------------------|-------------------------------------|---------------------|-------------------------------------|
| 1) Visual Inspection | <input type="checkbox"/>            | 2) Instrument Check | <input type="checkbox"/>            |
| 3) Tape Change       | <input checked="" type="checkbox"/> | 4) Battery Change   | <input checked="" type="checkbox"/> |
| 5) Damage Repair     | <input type="checkbox"/>            | 6) Other            | <input type="checkbox"/> : _____    |

PHYSICAL DATA:

DIRECTION TOWARD WHICH CURRENT IS FLOWING (degrees magnetic): —

TIME: 1630 EBB OR FLOOD?: ABSOLUTELY SLACK

FLOW METER READINGS (start): — (end): —

FLOW METER TIMES (in water): — (out of water): —

(leave blank)

COMMENTS ON CURRENT: DEAD SLACK

BUCKET TEMPERATURE °C: 22.2°C

SALINITY BOTTLE NUMBER: 142

(leave blank)

REMARKS (problems with equipment, etc.):



CORPS OF ENGINEERS PROJECT DACW07-78-C-0049  
SAN PABLO - CHIPPS ISLAND  
GROUND TRUTH DATA SHEET

STATION(spell out): GRIZZLY BAY STATION NO.: 6

CALIFORNIA  
CALENDAR DATE: MONTH(spell out): AUGUST DAY 6 YEAR 79

(leave blank)

CALIFORNIA ARRIVAL TIME: 2135

DEPARTURE TIME: 2207

RECORDER'S SIGNATURE: Conrad Rehner, Robert Green

PURPOSE OF STATION VISIT:

- |                      |                                     |                     |                                     |
|----------------------|-------------------------------------|---------------------|-------------------------------------|
| 1) Visual Inspection | <input type="checkbox"/>            | 2) Instrument Check | <input type="checkbox"/>            |
| 3) Tape Change       | <input checked="" type="checkbox"/> | 4) Battery Change   | <input checked="" type="checkbox"/> |
| 5) Damage Repair     | <input type="checkbox"/>            | 6) Other            | <input type="checkbox"/> : _____    |

PHYSICAL DATA:

DIRECTION TOWARD WHICH CURRENT IS FLOWING (degrees magnetic): \_\_\_\_\_

TIME: \_\_\_\_\_ EBB OR FLOOD?: \_\_\_\_\_

FLOW METER READINGS (start): \_\_\_\_\_ (end): \_\_\_\_\_

FLOW METER TIMES (in water): \_\_\_\_\_ (out of water): \_\_\_\_\_

(leave blank)

COMMENTS ON CURRENT: \_\_\_\_\_

BUCKET TEMPERATURE °C: 21.7°

SALINITY BOTTLE NUMBER: 131

(leave blank)

REMARKS (problems with equipment, etc.):



CORPS OF ENGINEERS PROJECT DACW07-78-C-0049  
SAN PABLO - CHIPPS ISLAND  
GROUND TRUTH DATA SHEET

STATION(spell out): San Pablo STATION NO.: 1

CALIFORNIA  
CALENDAR DATE: MONTH(spell out): AUGUST DAY 22 YEAR 77

(leave blank)

CALIFORNIA ARRIVAL TIME: 1205

DEPARTURE TIME: 1450

RECORDER'S SIGNATURE: Conrad Kerkink

PURPOSE OF STATION VISIT:

- |                      |                                     |                     |                                     |
|----------------------|-------------------------------------|---------------------|-------------------------------------|
| 1) Visual Inspection | <input checked="" type="checkbox"/> | 2) Instrument Check | <input checked="" type="checkbox"/> |
| 3) Tape Change       | <input checked="" type="checkbox"/> | 4) Battery Change   | <input checked="" type="checkbox"/> |
| 5) Damage Repair     | <input type="checkbox"/>            | 6) Other            | <input type="checkbox"/> : _____    |

PHYSICAL DATA:

DIRECTION TOWARD WHICH CURRENT IS FLOWING (degrees magnetic): 350

TIME: 1214 EBB OR FLOOD?: FLOOD

FLOW METER READINGS (start): 495085 (end): 509106

FLOW METER TIMES (in water): 1214 (out of water): 1219

(leave blank)

COMMENTS ON CURRENT: MOD. FLOOD

BUCKET TEMPERATURE °C: 21°

SALINITY BOTTLE NUMBER: 1

(leave blank)

REMARKS (problems with equipment, etc.):



CORPS OF ENGINEERS PROJECT DACW07-78-C-0049  
SAN PABLO - CHIPPS ISLAND  
GROUND TRUTH DATA SHEET

STATION(spell out): CARQUINEZ STATION NO.: 2

CALIFORNIA  
CALENDAR DATE: MONTH(spell out): AUGUST DAY 22 YEAR 79

(leave blank)

CALIFORNIA ARRIVAL TIME: 1620

DEPARTURE TIME: 1730

RECORDER'S SIGNATURE: Conrad Perkins

PURPOSE OF STATION VISIT:

- |                      |                                     |                     |                                     |
|----------------------|-------------------------------------|---------------------|-------------------------------------|
| 1) Visual Inspection | <input checked="" type="checkbox"/> | 2) Instrument Check | <input checked="" type="checkbox"/> |
| 3) Tape Change       | <input checked="" type="checkbox"/> | 4) Battery Change   | <input checked="" type="checkbox"/> |
| 5) Damage Repair     | <input type="checkbox"/>            | 6) Other            | <input type="checkbox"/> : _____    |

PHYSICAL DATA:

DIRECTION TOWARD WHICH CURRENT IS FLOWING (degrees magnetic): ITS SLACK

TIME: 1625 EBB OR FLOOD?: beginning of ebb

FLOW METER READINGS (start): 504150 (end): 504327

FLOW METER TIMES (in water): 1624 (out of water): 1629

(leave blank)

COMMENTS ON CURRENT: High water slack

BUCKET TEMPERATURE °C: 20.5

SALINITY BOTTLE NUMBER: #2

(leave blank)

REMARKS (problems with equipment, etc.):



CORPS OF ENGINEERS PROJECT DACW07-78-C-0049  
SAN PABLO - CHIPPS ISLAND  
GROUND TRUTH DATA SHEET

STATION (spell out): BEUICIA STATION NO.: 3

CALIFORNIA

CALENDAR DATE: MONTH (spell out): AUGUST DAY 23 YEAR 79

(leave blank)

CALIFORNIA ARRIVAL TIME: 0855

DEPARTURE TIME: 1145

RECORDER'S SIGNATURE: Conrad M. Smith

PURPOSE OF STATION VISIT:

- |                      |                                     |                     |                                     |
|----------------------|-------------------------------------|---------------------|-------------------------------------|
| 1) Visual Inspection | <input checked="" type="checkbox"/> | 2) Instrument Check | <input checked="" type="checkbox"/> |
| 3) Tape Change       | <input checked="" type="checkbox"/> | 4) Battery Change   | <input checked="" type="checkbox"/> |
| 5) Damage Repair     | <input type="checkbox"/>            | 6) Other            | <input type="checkbox"/> : _____    |

PHYSICAL DATA:

DIRECTION TOWARD WHICH CURRENT IS FLOWING (degrees magnetic): 220°

TIME: 0902 EBB OR FLOOD?: STRONG EBB

FLOW METER READINGS (start): 504325 (end): 515373

FLOW METER TIMES (in water): 0904 (out of water): 0909

(leave blank)

COMMENTS ON CURRENT: STRONG EBB

BUCKET TEMPERATURE °C: 20.1

SALINITY BOTTLE NUMBER: 3

(leave blank)

REMARKS (problems with equipment, etc.):



CORPS OF ENGINEERS PROJECT DACW07-78-C-0049  
SAN PABLO - CHIPPS ISLAND  
GROUND TRUTH DATA SHEET

STATION(spell out): PORT CHICAGO STATION NO.: 4

CALIFORNIA  
CALENDAR DATE: MONTH(spell out): AUGUST DAY 23 YEAR 77

(leave blank)

CALIFORNIA ARRIVAL TIME: 1900

DEPARTURE TIME: 2030

RECORDER'S SIGNATURE: C. M. M. M.

PURPOSE OF STATION VISIT:

- |                      |                                     |                     |                                     |
|----------------------|-------------------------------------|---------------------|-------------------------------------|
| 1) Visual Inspection | <input checked="" type="checkbox"/> | 2) Instrument Check | <input checked="" type="checkbox"/> |
| 3) Tape Change       | <input checked="" type="checkbox"/> | 4) Battery Change   | <input checked="" type="checkbox"/> |
| 5) Damage Repair     | <input type="checkbox"/>            | 6) Other            | <input type="checkbox"/> : _____    |

PHYSICAL DATA:

DIRECTION TOWARD WHICH CURRENT IS FLOWING (degrees magnetic): 260

TIME: \_\_\_\_\_ EBB OR FLOOD?: SLACK HIGH

FLOW METER READINGS (start): 541286 (end): 544475

FLOW METER TIMES (in water): 1916 (out of water): 1923

(leave blank)

COMMENTS ON CURRENT: START OF EBB

BUCKET TEMPERATURE °C: 21.0

SALINITY BOTTLE NUMBER: 4

(leave blank)

REMARKS (problems with equipment, etc.):



CORPS OF ENGINEERS PROJECT DACW07-78-C-0049  
SAN PABLO - CHIPPS ISLAND  
GROUND TRUTH DATA SHEET

STATION(spell out): (HIPPS ISLAND) STATION NO.: 5

CALIFORNIA

CALENDAR DATE: MONTH(spell out): AUGUST DAY 23 YEAR 79

(leave blank)

CALIFORNIA ARRIVAL TIME: 1600

DEPARTURE TIME: ~~1515~~ 1815

RECORDER'S SIGNATURE: Conrad Hubert

PURPOSE OF STATION VISIT:

1) Visual Inspection



2) Instrument Check



3) Tape Change



4) Battery Change



5) Damage Repair



6) Other ☐ : \_\_\_\_\_

PHYSICAL DATA:

DIRECTION TOWARD WHICH CURRENT IS FLOWING (degrees magnetic): 098

TIME: 1610 EBB OR FLOOD?: FLOOD

FLOW METER READINGS (start): 532125 (end): 541275

FLOW METER TIMES (in water): 1618 (out of water): 1623

(leave blank)

COMMENTS ON CURRENT: Very heavy flood

BUCKET TEMPERATURE °C: 21

SALINITY BOTTLE NUMBER: 51 @ hygiene

(leave blank)

REMARKS (problems with equipment, etc.):



CORPS OF ENGINEERS PROJECT DACW07-78-C-0049  
SAN PABLO - CHIPPS ISLAND  
GROUND TRUTH DATA SHEET

STATION(spell out): GRIZZLY BAY STATION NO.: 6

CALIFORNIA

CALENDAR DATE: MONTH(spell out): AUGUST DAY 23 YEAR 1979

(leave blank)

CALIFORNIA ARRIVAL TIME: 1320

DEPARTURE TIME: 1445

RECORDER'S SIGNATURE: Conrad Ruskil

PURPOSE OF STATION VISIT:

- |                      |                                     |                     |                                     |
|----------------------|-------------------------------------|---------------------|-------------------------------------|
| 1) Visual Inspection | <input checked="" type="checkbox"/> | 2) Instrument Check | <input checked="" type="checkbox"/> |
| 3) Tape Change       | <input checked="" type="checkbox"/> | 4) Battery Change   | <input checked="" type="checkbox"/> |
| 5) Damage Repair     | <input type="checkbox"/>            | 6) Other            | <input type="checkbox"/> : _____    |

PHYSICAL DATA:

1330

DIRECTION TOWARD WHICH CURRENT IS FLOWING (degrees magnetic): \_\_\_\_\_

TIME: 1330 EBB OR FLOOD?: \_\_\_\_\_

FLOW METER READINGS (start): \_\_\_\_\_ (end): \_\_\_\_\_

FLOW METER TIMES (in water):                      (out of water):                     

(leave blank)

COMMENTS ON CURRENT: \_\_\_\_\_

BUCKET TEMPERATURE °C: 20.5

SALINITY BOTTLE NUMBER: 6

(leave blank)

REMARKS (problems with equipment, etc.):



CORPS OF ENGINEERS PROJECT DACW07-78-C-0049  
SAN PABLO - CHIPPS ISLAND  
GROUND TRUTH DATA SHEET

STATION(spell out): San Pablo STATION NO.: 1

CALIFORNIA  
CALENDAR DATE: MONTH(spell out): SEPT. DAY 17 YEAR 79

(leave blank)

CALIFORNIA ARRIVAL TIME: 0945

DEPARTURE TIME: 100

RECORDER'S SIGNATURE: P. Carpenter

PURPOSE OF STATION VISIT:

- |                      |                                     |                     |                                     |
|----------------------|-------------------------------------|---------------------|-------------------------------------|
| 1) Visual Inspection | <input checked="" type="checkbox"/> | 2) Instrument Check | <input checked="" type="checkbox"/> |
| 3) Tape Change       | <input checked="" type="checkbox"/> | 4) Battery Change   | <input checked="" type="checkbox"/> |
| 5) Damage Repair     | <input type="checkbox"/>            | 6) Other            | <input type="checkbox"/> : _____    |

PHYSICAL DATA:

DIRECTION TOWARD WHICH CURRENT IS FLOWING (degrees magnetic): 54°

TIME: 0955 EBB OR FLOOD?: Flood

FLOW METER READINGS (start): 544635 (end): 554292

FLOW METER TIMES (in water): 5.0 min (out of water): \_\_\_\_\_

(leave blank)

COMMENTS ON CURRENT: Slight flood, near top of flood

BUCKET TEMPERATURE °C: 21

SALINITY BOTTLE NUMBER: 18

(leave blank)

REMARKS (problems with equipment, etc.):



CORPS OF ENGINEERS PROJECT DACW07-78-C-0049  
SAN PABLO - CHIPPS ISLAND  
GROUND TRUTH DATA SHEET

STATION(spell out): Carquinez STATION NO.: 2

CALIFORNIA  
CALENDAR DATE: MONTH(spell out): Sept. DAY 17 YEAR 79

(leave blank)

CALIFORNIA ARRIVAL TIME: 1040

DEPARTURE TIME: 1105

RECORDER'S SIGNATURE: P. Carpenter

PURPOSE OF STATION VISIT:

- |                      |                                     |                     |                                     |
|----------------------|-------------------------------------|---------------------|-------------------------------------|
| 1) Visual Inspection | <input type="checkbox"/>            | 2) Instrument Check | <input checked="" type="checkbox"/> |
| 3) Tape Change       | <input checked="" type="checkbox"/> | 4) Battery Change   | <input checked="" type="checkbox"/> |
| 5) Damage Repair     | <input type="checkbox"/>            | 6) Other            | <input type="checkbox"/> : _____    |

PHYSICAL DATA:

DIRECTION TOWARD WHICH CURRENT IS FLOWING (degrees magnetic): 84°

TIME: 1045 EBB OR FLOOD?: Flood

FLOW METER READINGS (start): 554288 (end): 555892

FLOW METER TIMES (in water): 1045-04C (out of water): 1050-05C

(leave blank)

COMMENTS ON CURRENT: very low flood - nearly slack

BUCKET TEMPERATURE °C: 22°

SALINITY BOTTLE NUMBER: 3

(leave blank)

REMARKS (problems with equipment, etc.):



CORPS OF ENGINEERS PROJECT DACW07-78-C-0049  
SAN PABLO - CHIPPS ISLAND  
GROUND TRUTH DATA SHEET

STATION(spell out): Penicis STATION NO.: 3

CALIFORNIA  
CALENDAR DATE: MONTH(spell out): Sept DAY 17 YEAR 79

(leave blank)

CALIFORNIA ARRIVAL TIME: 1735

DEPARTURE TIME: 1820

RECORDER'S SIGNATURE: G. Carpenter

PURPOSE OF STATION VISIT:

- |                      |                                     |                     |                                     |
|----------------------|-------------------------------------|---------------------|-------------------------------------|
| 1) Visual Inspection | <input type="checkbox"/>            | 2) Instrument Check | <input checked="" type="checkbox"/> |
| 3) Tape Change       | <input checked="" type="checkbox"/> | 4) Battery Change   | <input checked="" type="checkbox"/> |
| 5) Damage Repair     | <input type="checkbox"/>            | 6) Other            | <input type="checkbox"/> : _____    |

PHYSICAL DATA:

DIRECTION TOWARD WHICH CURRENT IS FLOWING (degrees magnetic): 218

TIME: 1740 EBB OR FLOOD?: EBB

FLOW METER READINGS (start): 562264 (end): 568479

FLOW METER TIMES (in water): 1741-30sec (out of water): 1746-30sec

(leave blank)

COMMENTS ON CURRENT: Moderate (beginning)

BUCKET TEMPERATURE °C: 22.4

SALINITY BOTTLE NUMBER: 8

(leave blank)

REMARKS (problems with equipment, etc.):



SAN PABLO - CHIPPS ISLAND

## GROUND TRUTH DATA SHEET

STATION(spell out): Port Chicago STATION NO.: 4

CALIFORNIA

CALENDAR DATE: MONTH(spell out): Sept DAY 17 YEAR 79

(leave blank)

CALIFORNIA ARRIVAL TIME: 1230 whDEPARTURE TIME: 1358RECORDER'S SIGNATURE: P. Carpenter

PURPOSE OF STATION VISIT:

- |                      |                                     |                     |                                     |
|----------------------|-------------------------------------|---------------------|-------------------------------------|
| 1) Visual Inspection | <input type="checkbox"/>            | 2) Instrument Check | <input checked="" type="checkbox"/> |
| 3) Tape Change       | <input checked="" type="checkbox"/> | 4) Battery Change   | <input checked="" type="checkbox"/> |
| 5) Damage Repair     | <input type="checkbox"/>            | 6) Other            | <input type="checkbox"/> : _____    |

## PHYSICAL DATA:

DIRECTION TOWARD WHICH CURRENT IS FLOWING (degrees magnetic): 102°TIME: \_\_\_\_\_ EBB OR FLOOD?: floodFLOW METER READINGS (start): 555888 (end): 562257FLOW METER TIMES (in water): 1350 (out of water): 1355

(leave blank)

COMMENTS ON CURRENT: moderate to heavy floodBUCKET TEMPERATURE °C: 22.2SALINITY BOTTLE NUMBER: 4-

(leave blank)

REMARKS (problems with equipment, etc.):



CORPS OF ENGINEERS PROJECT DACW07-78-C-0049  
SAN PABLO - CHIPPS ISLAND  
GROUND TRUTH DATA SHEET

C STATION(spell out): Chippis Islands STATION NO.: 5

CALIFORNIA  
CALENDAR DATE: MONTH(spell out): Sept DAY 17 YEAR 79

(leave blank)

CALIFORNIA ARRIVAL TIME: 1540

DEPARTURE TIME: \_\_\_\_\_

RECORDER'S SIGNATURE: P. Carpenter

PURPOSE OF STATION VISIT:

- |                      |                                     |                     |                                     |
|----------------------|-------------------------------------|---------------------|-------------------------------------|
| 1) Visual Inspection | <input type="checkbox"/>            | 2) Instrument Check | <input checked="" type="checkbox"/> |
| 3) Tape Change       | <input checked="" type="checkbox"/> | 4) Battery Change   | <input checked="" type="checkbox"/> |
| 5) Damage Repair     | <input type="checkbox"/>            | 6) Other            | <input type="checkbox"/> : _____    |

C PHYSICAL DATA: \_\_\_\_\_

DIRECTION TOWARD WHICH CURRENT IS FLOWING (degrees magnetic): Slack

TIME: 1545 EBB OR FLOOD?: \_\_\_\_\_

FLOW METER READINGS (start): SLACK (end): \_\_\_\_\_

FLOW METER TIMES (in water): \_\_\_\_\_ (out of water): \_\_\_\_\_

(leave blank)

COMMENTS ON CURRENT: Dead slack

BUCKET TEMPERATURE °C: 22.8

SALINITY BOTTLE NUMBER: 14

(leave blank)

C F (problems with equipment, etc.):



CORPS OF ENGINEERS PROJECT DACW07-78-C-0049  
SAN PABLO - CHIPPS ISLAND  
GROUND TRUTH DATA SHEET

STATION(spell out): Grizzly Bay STATION NO.: 6  
CALIFORNIA  
CALENDAR DATE: MONTH(spell out): Sept DAY 17 YEAR 79

(leave blank)

CALIFORNIA ARRIVAL TIME: 1655

DEPARTURE TIME: 1710

RECORDER'S SIGNATURE: P. Carpenter

PURPOSE OF STATION VISIT:

- |                      |                                     |                     |                                     |
|----------------------|-------------------------------------|---------------------|-------------------------------------|
| 1) Visual Inspection | <input type="checkbox"/>            | 2) Instrument Check | <input checked="" type="checkbox"/> |
| 3) Tape Change       | <input checked="" type="checkbox"/> | 4) Battery Change   | <input checked="" type="checkbox"/> |
| 5) Damage Repair     | <input type="checkbox"/>            | 6) Other            | <input type="checkbox"/> : _____    |

PHYSICAL DATA:

DIRECTION TOWARD WHICH CURRENT IS FLOWING (degrees magnetic): \_\_\_\_\_

TIME: \_\_\_\_\_ EBB OR FLOOD?: \_\_\_\_\_

FLOW METER READINGS (start): \_\_\_\_\_ (end): \_\_\_\_\_

FLOW METER TIMES (in water): \_\_\_\_\_ (out of water): \_\_\_\_\_

(leave blank)

COMMENTS ON CURRENT: \_\_\_\_\_

BUCKET TEMPERATURE °C: 22.8°

SALINITY BOTTLE NUMBER: 22

(leave blank)

REMARKS (problems with equipment, etc.):



no ground truth  
data sheets for  
service 10/2 - 10/3/20.



CORPS OF ENGINEERS PROJECT DACW07-78-C-0049  
SAN PABLO - CHIPPS ISLAND  
GROUND TRUTH DATA SHEET

STATION(spell out): San Pablo Bay STATION NO.: 1

CALIFORNIA

CALENDAR DATE: MONTH(spell out): Nov. DAY 2 YEAR 1979

(leave blank)

CALIFORNIA ARRIVAL TIME: 1700

DEPARTURE TIME: 1835

RECORDER'S SIGNATURE: R. S. Gurn

PURPOSE OF STATION VISIT:

1) Visual Inspection ☐

2) Instrument Check ☐

3) Tape Change ☐

4) Battery Change ☐

5) Damage Repair ☐

6) Other ☐ : \_\_\_\_\_

PHYSICAL DATA:

DIRECTION TOWARD WHICH CURRENT IS FLOWING (degrees magnetic): ~ 240°

TIME: 1730 EBB OR FLOOD?: EBB

FLOW METER READINGS (start): 605330 (end): 611609

FLOW METER TIMES (in water): T=10 (out of water): ± 5 min.

(leave blank)

COMMENTS ON CURRENT: \_\_\_\_\_

BUCKET TEMPERATURE °C: 16.8°

SALINITY BOTTLE NUMBER: 134

(leave blank)

REMARKS (problems with equipment, etc.):



CORPS OF ENGINEERS PROJECT DACW07-78-C-0049  
SAN PABLO - CHIPPS ISLAND  
GROUND TRUTH DATA SHEET

STATION(spell out): CARRUAIES STATION NO.: 2

CALIFORNIA

CALENDAR DATE: MONTH(spell out): Nov DAY 2 YEAR 1979

(leave blank)

CALIFORNIA ARRIVAL TIME: 1610

DEPARTURE TIME: 1705

RECORDER'S SIGNATURE: R. E. Egan

PURPOSE OF STATION VISIT:

- |                      |                          |                     |   |
|----------------------|--------------------------|---------------------|---|
| 1) Visual Inspection | <input type="checkbox"/> | 2) Instrument Check | <input type="checkbox"/>                          |
| 3) Tape Change       | <input type="checkbox"/> | 4) Battery Change   | <input type="checkbox"/>                          |
| 5) Damage Repair     | <input type="checkbox"/> | 6) Other            | <input checked="" type="checkbox"/> : <u>Make</u> |

PHYSICAL DATA:

DIRECTION TOWARD WHICH CURRENT IS FLOWING (degrees magnetic): 260

TIME: 1630 EBB OR FLOOD?: EBB

FLOW METER READINGS (start): 59-50 (end): 60-530

FLOW METER TIMES (in water): 1-0 (out of water): 1-15

(leave blank)

COMMENTS ON CURRENT: \_\_\_\_\_

BUCKET TEMPERATURE °C: 17.0

SALINITY BOTTLE NUMBER: 19

(leave blank)

REMARKS (problems with equipment, etc.):



CORPS OF ENGINEERS PROJECT DACW07-78-C-0049  
SAN PABLO - CHIPS ISLAND  
GROUND TRUTH DATA SHEET

STATION(spell out): Bericia STATION NO.: 3

CALIFORNIA

CALENDAR DATE: MONTH(spell out): Nov. DAY 2 YEAR 1979

(leave blank)

CALIFORNIA ARRIVAL TIME: \_\_\_\_\_

DEPARTURE TIME: \_\_\_\_\_

RECORDER'S SIGNATURE: R J Gura

PURPOSE OF STATION VISIT:

1) Visual Inspection ☐

2) Instrument Check ☐

3) Tape Change ☐

4) Battery Change ☐

5) Damage Repair ☐

6) Other ☒ : meter

PHYSICAL DATA:

Setup

DIRECTION TOWARD WHICH CURRENT IS FLOWING (degrees magnetic): ~ 60°

TIME: 1235 EBB OR FLOOD?: FLOOD

FLOW METER READINGS (start): 580020 (end): 584491

FLOW METER TIMES (in water): 12:5 (out of water): 1240

(leave blank)

COMMENTS ON CURRENT: \_\_\_\_\_

BUCKET TEMPERATURE °C: 17.0

SALINITY BOTTLE NUMBER: 54

(leave blank)

REMARKS (problems with equipment, etc.):



CORPS OF ENGINEERS PROJECT DACW07-78-C-0049  
SAN PABLO - CHIPPS ISLAND  
GROUND TRUTH DATA SHEET

STATION(spell out): PORT CHICAGO STATION NO.: 4

CALIFORNIA

CALENDAR DATE: MONTH(spell out): NOV DAY 2 YEAR 1929

(leave blank)

CALIFORNIA ARRIVAL TIME: 15:30

DEPARTURE TIME: 15:35

RECORDER'S SIGNATURE: R E Green

PURPOSE OF STATION VISIT:

- |                      |                          |  |                          |
|----------------------|--------------------------|--|--------------------------|
| 1) Visual Inspection | <input type="checkbox"/> | 2) Instrument Check  | <input type="checkbox"/> |
| 3) Tape Change       | <input type="checkbox"/> | 4) Battery Change  | <input type="checkbox"/> |
| 5) Damage Repair     | <input type="checkbox"/> | 6) Other <input checked="" type="checkbox"/> : <u>Sch up</u> |                          |

PHYSICAL DATA:

DIRECTION TOWARD WHICH CURRENT IS FLOWING (degrees magnetic): ~ 240°

TIME: 1510 EBB OR FLOOD?: EBB

FLOW METER READINGS (start): 584500 (end): 593527

FLOW METER TIMES (in water): + = 0 (out of water): + = 5 min.

(leave blank)

COMMENTS ON CURRENT: \_\_\_\_\_

BUCKET TEMPERATURE °C: 16.8

SALINITY BOTTLE NUMBER: 142

(leave blank)

REMARKS (problems with equipment, etc.):



CORPS OF ENGINEERS PROJECT DACW07-78-C-0049  
SAN PABLO - CHIPPS ISLAND  
GROUND TRUTH DATA SHEET

STATION(spell out): Chipp's Island STATION NO.: 5

CALIFORNIA

CALENDAR DATE: MONTH(spell out): NOV. DAY 2 YEAR 1979

(leave blank)

CALIFORNIA ARRIVAL TIME: 1005

DEPARTURE TIME: 1037

RECORDER'S SIGNATURE: R. Green

PURPOSE OF STATION VISIT:

- |                      |                          |   |                          |
|----------------------|--------------------------|---|--------------------------|
| 1) Visual Inspection | <input type="checkbox"/> | 2) Instrument Check   | <input type="checkbox"/> |
| 3) Tape Change       | <input type="checkbox"/> | 4) Battery Change   | <input type="checkbox"/> |
| 5) Damage Repair     | <input type="checkbox"/> | 6) Other <input checked="" type="checkbox"/> : <u>meter</u> |                          |

PHYSICAL DATA:

Installation

DIRECTION TOWARD WHICH CURRENT IS FLOWING (degrees magnetic): ~100°

TIME: 1010 EBB OR FLOOD?: Flood

FLOW METER READINGS (start): 568740 (end): 580020

FLOW METER TIMES (in water): + = 0 min (out of water): + = 5 min

(leave blank)

COMMENTS ON CURRENT: \_\_\_\_\_

BUCKET TEMPERATURE °C: 16.5

SALINITY BOTTLE NUMBER: 40

(leave blank)

REMARKS (problems with equipment, etc.):



CORPS OF ENGINEERS PROJECT DACW07-78-C-0049  
SAN PABLO - CHIPS ISLAND  
GROUND TRUTH DATA SHEET

STATION(spell out): CR. 2224 BAY STATION NO.: 6

CALIFORNIA

CALENDAR DATE: MONTH(spell out): Nov DAY 2 YEAR 1979

(leave blank)

CALIFORNIA ARRIVAL TIME: 11:10

DEPARTURE TIME: 11:35

RECORDER'S SIGNATURE: R. Green

PURPOSE OF STATION VISIT:

1) Visual Inspection ☐

2) Instrument Check ☐

3) Tape Change ☐

4) Battery Change ☐

5) Damage Repair ☐

6) Other ☒ : meter or

PHYSICAL DATA:

cable malfunction

DIRECTION TOWARD WHICH CURRENT IS FLOWING (degrees magnetic): —

TIME: 11:15 EBB OR FLOOD?: —

FLOW METER READINGS (start): — (end): —

FLOW METER TIMES (in water): — (out of water): —

(leave blank)

COMMENTS ON CURRENT: —

BUCKET TEMPERATURE °C: 16.5

SALINITY BOTTLE NUMBER: 139

(leave blank)

REMARKS (problems with equipment, etc.):



CORPS OF ENGINEERS PROJECT DACW07-78-C-0049  
SAN PABLO - CHIPS ISLAND  
GROUND TRUTH DATA SHEET

STATION(spell out): SAN PABLO STATION NO.: 1

CALIFORNIA

CALENDAR DATE: MONTH(spell out): Nov. DAY 27 YEAR 79

(leave blank)

CALIFORNIA ARRIVAL TIME: 1635

DEPARTURE TIME: 1705

RECORDER'S SIGNATURE: R. S. Drum

PURPOSE OF STATION VISIT:

- |                      |                                     |                     |                                     |
|----------------------|-------------------------------------|---------------------|-------------------------------------|
| 1) Visual Inspection | <input type="checkbox"/>            | 2) Instrument Check | <input type="checkbox"/>            |
| 3) Tape Change       | <input checked="" type="checkbox"/> | 4) Battery Change   | <input checked="" type="checkbox"/> |
| 5) Damage Repair     | <input type="checkbox"/>            | 6) Other            | <input type="checkbox"/> : _____    |

PHYSICAL DATA:

DIRECTION TOWARD WHICH CURRENT IS FLOWING (degrees magnetic): 230

TIME: 1640 EBB OR FLOOD?: EBB

FLOW METER READINGS (start): 629700 (end): 631174

FLOW METER TIMES (in water): 1640 (out of water): 1650

(leave blank)

COMMENTS ON CURRENT: \_\_\_\_\_

BUCKET TEMPERATURE °C: 13.0°

SALINITY BOTTLE NUMBER: —

(leave blank)

RKS (problems with equipment, etc.):



CORPS OF ENGINEERS PROJECT DACW07-78-C-0049  
SAN PABLO - CHIPS ISLAND  
GROUND TRUTH DATA SHEET

STATION(spell out): CARQUINEZ STATION NO.: 2

CALIFORNIA

CALENDAR DATE: MONTH(spell out): Nov DAY 27 YEAR 79

(leave blank)

CALIFORNIA ARRIVAL TIME: 1525

DEPARTURE TIME: 1603

RECORDER'S SIGNATURE: R. S. Green

PURPOSE OF STATION VISIT:

- |                      |                                     |                     |                                     |
|----------------------|-------------------------------------|---------------------|-------------------------------------|
| 1) Visual Inspection | <input type="checkbox"/>            | 2) Instrument Check | <input type="checkbox"/>            |
| 3) Tape Change       | <input checked="" type="checkbox"/> | 4) Battery Change   | <input checked="" type="checkbox"/> |
| 5) Damage Repair     | <input type="checkbox"/>            | 6) Other            | <input type="checkbox"/> : _____    |

PHYSICAL DATA:

DIRECTION TOWARD WHICH CURRENT IS FLOWING (degrees magnetic): 260

TIME: 1530 EBB OR FLOOD?: EBB

FLOW METER READINGS (start): 623970 (end): 627698

FLOW METER TIMES (in water): 1550 (out of water): 1555

(leave blank)

COMMENTS ON CURRENT: \_\_\_\_\_

BUCKET TEMPERATURE °C: 13°

SALINITY BOTTLE NUMBER: —

(leave blank)

REMARKS (problems with equipment, etc.):



## CORPS OF ENGINEERS PROJECT DACW07-78-C-0049

SAN PABLO - CHIPS ISLAND

## GROUND TRUTH DATA SHEET

STATION(spell out): BENICIA STATION NO.: 3

CALIFORNIA

CALENDAR DATE: MONTH(spell out): Nov. DAY 27 YEAR 79

(leave blank)

CALIFORNIA ARRIVAL TIME: 1430DEPARTURE TIME: 1504RECORDER'S SIGNATURE: R. S. Green

## PURPOSE OF STATION VISIT:

- |                      |                                     |                     |                                     |
|----------------------|-------------------------------------|---------------------|-------------------------------------|
| 1) Visual Inspection | <input type="checkbox"/>            | 2) Instrument Check | <input type="checkbox"/>            |
| 3) Tape Change       | <input checked="" type="checkbox"/> | 4) Battery Change   | <input checked="" type="checkbox"/> |
| 5) Damage Repair     | <input type="checkbox"/>            | 6) Other            | <input type="checkbox"/> : _____    |

## YSICAL DATA:

DIRECTION TQWARD WHICH CURRENT IS FLOWING (degrees magnetic): 210TIME: 1230 EBB OR FLOOD?: EBBFLOW METER READINGS (start): 612370 (end): 623972FLOW METER TIMES (in water): 1440 (out of water): 1445

(leave blank)

COMMENTS ON CURRENT: \_\_\_\_\_

BUCKET TEMPERATURE °C: 13°SALINITY BOTTLE NUMBER: —

(leave blank)

ARKS (problems with equipment, etc.):



## SAN PABLO - CHIPS ISLAND

## GROUND TRUTH DATA SHEET

STATION (spell out): PORT CHILAN-O STATION NO.: 4

CALIFORNIA

CALENDAR DATE: MONTH (spell out): NOV. DAY 28 YEAR 79

(leave blank)

CALIFORNIA ARRIVAL TIME: 0940

DEPARTURE TIME: \_\_\_\_\_

RECORDER'S SIGNATURE: R. E. Green

PURPOSE OF STATION VISIT:

- |                      |                                     |  |                                     |
|----------------------|-------------------------------------|--|-------------------------------------|
| 1) Visual Inspection | <input type="checkbox"/>            | 2) Instrument Check                                  | <input type="checkbox"/>            |
| 3) Tape Change       | <input checked="" type="checkbox"/> | 4) Battery Change                                    | <input checked="" type="checkbox"/> |
| 5) Damage Repair     | <input checked="" type="checkbox"/> | 6) Other <input type="checkbox"/> : <u>Exchanger</u> |                                     |

PHYSICAL DATA:

meter parts

DIRECTION TOWARD WHICH CURRENT IS FLOWING (degrees magnetic): \_\_\_\_\_

TIME: 1535 EBB OR FLOOD?: EBBLOW METER READINGS (start): 631110 (end): 642126LOW METER TIMES (in water): 1535 (out of water): 1540

(leave blank)

REMARKS ON CURRENT: \_\_\_\_\_

BUCKET TEMPERATURE °C: 13°ALINITY BOTTLE NUMBER: —

(leave blank)

KS (problems with equipment, etc.): \_\_\_\_\_



CORPS OF ENGINEERS PROJECT DACW07-78-C-0049  
SAN PABLO - CHIPS ISLAND  
GROUND TRUTH DATA SHEET

STATION(spell out): CHIPS ISLAND STATION NO.: 5

CALIFORNIA

CALENDAR DATE: MONTH(spell out): Nov. DAY 27 YEAR 79

(leave blank)

CALIFORNIA ARRIVAL TIME: 0950

DEPARTURE TIME: 1238

RECORDER'S SIGNATURE: R. S. Drum

PURPOSE OF STATION VISIT:

- |                      |                                     |                     |                                     |
|----------------------|-------------------------------------|---------------------|-------------------------------------|
| 1) Visual Inspection | <input checked="" type="checkbox"/> | 2) Instrument Check | <input type="checkbox"/>            |
| 3) Tape Change       | <input checked="" type="checkbox"/> | 4) Battery Change   | <input checked="" type="checkbox"/> |
| 5) Damage Repair     | <input type="checkbox"/>            | 6) Other            | <input type="checkbox"/> : _____    |

YSICAL DATA:

DIRECTION TOWARD WHICH CURRENT IS FLOWING (degrees magnetic): 270°

TIME: 1115 EBB OR FLOOD?: EBB

FLOW METER READINGS (start): 611670 (end): 612375

FLOW METER TIMES (in water): 1120 (out of water): 1125

(leave blank)

COMMENTS ON CURRENT: \_\_\_\_\_

BUCKET TEMPERATURE °C: 13

SALINITY BOTTLE NUMBER: —

(leave blank)

MARKS (problems with equipment, etc.):



## CORPS OF ENGINEERS PROJECT DACW07-78-C-0049

SAN PABLO - CHIPS ISLAND

## GROUND TRUTH DATA SHEET

STATION(spell out): GRIZZLEY BAY STATION NO.: 6

CALIFORNIA

CALENDAR DATE: MONTH(spell out): NOV. DAY 28 YEAR 79

(leave blank)

CALIFORNIA ARRIVAL TIME: 1615DEPARTURE TIME: 1705RECORDER'S SIGNATURE: R. J. Thuen

PURPOSE OF STATION VISIT:

- |                      |                                     |                     |   |
|----------------------|-------------------------------------|---------------------|---|
| 1) Visual Inspection | <input type="checkbox"/>            | 2) Instrument Check | <input type="checkbox"/>                |
| 3) Tape Change       | <input checked="" type="checkbox"/> | 4) Battery Change   | <input checked="" type="checkbox"/>     |
| 5) Damage Repair     | <input type="checkbox"/>            | 6) Other            | <input type="checkbox"/> : <u>Reset</u> |

PHYSICAL DATA:

meter clockDIRECTION TOWARD WHICH CURRENT IS FLOWING (degrees magnetic): —TIME: 1640 EBB OR FLOOD?: —FLOW METER READINGS (start): — (end): —FLOW METER TIMES (in water): — (out of water): —

(leave blank)

COMMENTS ON CURRENT: —BUCKET TEMPERATURE °C: 12.3SALINITY BOTTLE NUMBER: —

(leave blank)

RKS (problems with equipment, etc.):



CORPS OF ENGINEERS PROJECT DACW07-78-C-0049  
SAN PABLO - CHIPS ISLAND  
GROUND TRUTH DATA SHEET

STATION(spell out): SAN PABLO STATION NO.: 1

CALIFORNIA

CALENDAR DATE: MONTH(spell out): DEC. DAY 11 YEAR 79

(leave blank)

CALIFORNIA ARRIVAL TIME: 1045

DEPARTURE TIME: 1120

RECORDER'S SIGNATURE: R. S. Jew

PURPOSE OF STATION VISIT:

1) Visual Inspection ☐

2) Instrument Check ☐

3) Tape Change ☒

4) Battery Change ☒

5) Damage Repair ☐

6) Other ☐ : \_\_\_\_\_

PHYSICAL DATA:

DIRECTION TOWARD WHICH CURRENT IS FLOWING (degrees magnetic): ~210°

TIME: 1055 EBB OR FLOOD?: E33

FLOW METER READINGS (start): 620.00 (end): 620.00

FLOW METER TIMES (in water): 1013 (out of water): 1017

(leave blank)

COMMENTS ON CURRENT: \_\_\_\_\_

BUCKET TEMPERATURE °C: 12.5°

SALINITY BOTTLE NUMBER: 3

(leave blank)

REMARKS (problems with equipment, etc.):

dynamic height = 300 cm



CORPS OF ENGINEERS PROJECT DACW07-78-C-0049  
SAN PABLO - CHIPS ISLAND  
GROUND TRUTH DATA SHEET

STATION (spell out): Larguinez STATION NO.: 2

CALIFORNIA

CALENDAR DATE: MONTH (spell out): Dec. DAY 11 YEAR 79

(leave blank)

CALIFORNIA ARRIVAL TIME: 1200

DEPARTURE TIME: 1445

RECORDER'S SIGNATURE: R E Green

PURPOSE OF STATION VISIT:

- |                      |                                     |   |                                     |
|----------------------|-------------------------------------|---|-------------------------------------|
| 1) Visual Inspection | <input checked="" type="checkbox"/> | 2) Instrument Check                                 | <input type="checkbox"/>            |
| 3) Tape Change       | <input checked="" type="checkbox"/> | 4) Battery Change                                   | <input checked="" type="checkbox"/> |
| 5) Damage Repair     | <input type="checkbox"/>            | 6) Other <input type="checkbox"/> : <u>replaced</u> |                                     |

ICAL DATA:

zincs

DIRECTION TOWARD WHICH CURRENT IS FLOWING (degrees magnetic): 2260°

TIME: \_\_\_\_\_ EBB OR FLOOD?: EBB

LOW METER READINGS (start): 660660 (end): 668408

LOW METER TIMES (in water): 0 min. (out of water): 5 min.

(leave blank)

COMMENTS ON CURRENT: \_\_\_\_\_

WATER TEMPERATURE °C: 12.5°

WATER BOTTLE NUMBER: 8

(leave blank)

REMARKS (problems with equipment, etc.):

dynamic height = 264 cm.



CORPS OF ENGINEERS PROJECT DACW07-78-C-0049  
SAN PABLO - CHIPS ISLAND  
GROUND TRUTH DATA SHEET

STATION(spell out): BENICIA STATION NO.: 3

CALIFORNIA

CALENDAR DATE: MONTH(spell out): Dec. DAY 11 YEAR 79

(leave blank)

CALIFORNIA ARRIVAL TIME: 1515

DEPARTURE TIME: 1605

RECORDER'S SIGNATURE: R. S. Green

PURPOSE OF STATION VISIT:

1) Visual Inspection ☐

2) Instrument Check ☐

3) Tape Change ☒

4) Battery Change ☒

5) Damage Repair ☐

6) Other ☐ :

PHYSICAL DATA:

DIRECTION TOWARD WHICH CURRENT IS FLOWING (degrees magnetic): ~ 210°

TIME: 1545 EBB OR FLOOD?: EBB

FLOW METER READINGS (start): 668400 (end): 673112

FLOW METER TIMES (in water): 0 min (out of water): 10 min.

(leave blank)

COMMENTS ON CURRENT:

WATER TEMPERATURE °C: 12.5

SALINITY BOTTLE NUMBER: 14

(leave blank)

REMARKS (problems with equipment, etc.):



CORPS OF ENGINEERS PROJECT DACW07-78-C-0049  
SAN PABLO - CHIPS ISLAND  
GROUND TRUTH DATA SHEET

STATION(spell out): PORT CHICALO STATION NO.: 4

CALIFORNIA

CALENDAR DATE: MONTH(spell out): DEC. DAY 12 YEAR '79

(leave blank)

CALIFORNIA ARRIVAL TIME: 1045

DEPARTURE TIME: 1135

RECORDER'S SIGNATURE: R. S. Green

PURPOSE OF STATION VISIT:

- |                      |                                     |                     |                                     |
|----------------------|-------------------------------------|---------------------|-------------------------------------|
| 1) Visual Inspection | <input type="checkbox"/>            | 2) Instrument Check | <input type="checkbox"/>            |
| 3) Tape Change       | <input checked="" type="checkbox"/> | 4) Battery Change   | <input checked="" type="checkbox"/> |
| 5) Damage Repair     | <input type="checkbox"/>            | 6) Other            | <input type="checkbox"/> : _____    |

SICAL DATA:

DIRECTION TOWARD WHICH CURRENT IS FLOWING (degrees magnetic): ~ 240°

TIME: 1100 EBB OR FLOOD?: EARLY EBB

FLOW METER READINGS (start): 673110 (end): 675197

FLOW METER TIMES (in water): 4 = 0 min (out of water): 10 min.

(leave blank)

COMMENTS ON CURRENT: \_\_\_\_\_

BUCKET TEMPERATURE °C: 11.5°

ALINITY BOTTLE NUMBER: 124

(leave blank)

REMARKS (problems with equipment, etc.):



COAPS OF ENGINEERS PROJECT DACW07-78-C-0049  
SAN PABLO - CHIPS ISLAND  
GROUND TRUTH DATA SHEET

STATION(spell out): CHIPS ISLAND STATION NO.: 5

CALIFORNIA

CALENDAR DATE: MONTH(spell out): Dec. DAY 12 YEAR '79

(leave blank)

CALIFORNIA ARRIVAL TIME: 1153

DEPARTURE TIME: 1240

RECORDER'S SIGNATURE: R. S. Green

PURPOSE OF STATION VISIT:

- |                      |                                     |                                     |                                     |
|----------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| 1) Visual Inspection | <input type="checkbox"/>            | 2) Instrument Check                 | <input type="checkbox"/>            |
| 3) Tape Change       | <input checked="" type="checkbox"/> | 4) Battery Change                   | <input checked="" type="checkbox"/> |
| 5) Damage Repair     | <input type="checkbox"/>            | 6) Other <input type="checkbox"/> : |                                     |

CAL DATA:

DIRECTION TOWARD WHICH CURRENT IS FLOWING (degrees magnetic): ~ 270°

TIME: 1155 EBB OR FLOOD?: EBB

LOW METER READINGS (start): 681950 (end): 687275

LOW METER TIMES (in water): 0 min. (out of water): 5 min.

(leave blank)

COMMENTS ON CURRENT:

AIR TEMPERATURE °C: 11.9°

WINDY BOTTLE NUMBER: 42

(leave blank)

REMARKS (problems with equipment, etc.):



CORPS OF ENGINEERS PROJECT DACW07-78-C-0049  
SAN PABLO - CHIPS ISLAND  
GROUND TRUTH DATA SHEET

STATION(spell out): GRIZZLY BAY STATION NO.: 6

CALIFORNIA

CALENDAR DATE: MONTH(spell out): DEC. DAY 12 YEAR '79

(leave blank)

CALIFORNIA ARRIVAL TIME: 1315

DEPARTURE TIME: 1410

RECORDER'S SIGNATURE: R. S. Green

PURPOSE OF STATION VISIT:

1) Visual Inspection ☒

2) Instrument Check ☐

3) Tape Change ☒

4) Battery Change ☒

5) Damage Repair ☐

6) Other ☒ : replaced

'SICAL DATA:

Zinc.

DIRECTION TOWARD WHICH CURRENT IS FLOWING (degrees magnetic): —

TIME: 1330 EBB OR FLOOD?: EBB

FLOW METER READINGS (start): / (end): /

FLOW METER TIMES (in water): / (out of water): /

(leave blank)

COMMENTS ON CURRENT: —

BUCKET TEMPERATURE °C: 11.8°

SALINITY BOTTLE NUMBER: 4

(leave blank)

REMARKS (problems with equipment, etc.):



CORPS OF ENGINEERS PROJECT DACW07-76 C-0049  
SAN FABLO - CHIPE ISLAND  
GROUND TRUTH DATA SHEET

STATION (spell out): PORT CHICAGO STATION NO.: 4

CALIFORNIA

CALENDAR DATE: MONTH (spell out): DEC. DAY 18 YEAR '79

(leave blank)

CALIFORNIA ARRIVAL TIME: 12:30

DEPARTURE TIME: \_\_\_\_\_

RECORDER'S SIGNATURE: R. S. Green

PURPOSE OF STATION VISIT:

- |                      |                          |                     |   |
|----------------------|--------------------------|---------------------|---|
| 1) Visual Inspection | <input type="checkbox"/> | 2) Instrument Check | <input checked="" type="checkbox"/>       |
| 3) Tape Change       | <input type="checkbox"/> | 4) Battery Change   | <input type="checkbox"/>                  |
| 5) Damage Repair     | <input type="checkbox"/> | 6) Other            | <input type="checkbox"/> : <u>Replace</u> |

SICAL DATA:

DIRECTION TOWARD WHICH CURRENT IS FLOWING (degrees magnetic): ~250°

TIME: 1655 EBB OR FLOOD?: EBB

FLOW METER READINGS (start): 694870 (end): 209126

FLOW METER TIMES (in water): 0 min. (out of water): 5 min.

(leave blank)

COMMENTS ON CURRENT: \_\_\_\_\_

BUCKET TEMPERATURE °C: 10.5°

SALINITY BOTTLE NUMBER: —

(leave blank)

REMARKS (problems with equipment, etc.): \_\_\_\_\_



CORPS OF ENGINEERS PROJECT DACW07-76-C-0049  
SAN PABLO - CHIPS ISLAND  
GROUND TRUTH DATA SHEET

STATION(spell out): CHIPPS ISLAND STATION NO.: 5

CALIFORNIA

CALENDAR DATE: MONTH(spell out): DEC. DAY 18 YEAR '79

(Leave blank)

CALIFORNIA ARRIVAL TIME: 1135

DEPARTURE TIME: 1200

RECORDER'S SIGNATURE: R. S. Allen

PURPOSE OF STATION VISIT:

- |                      |                          |                     |                                     |
|----------------------|--------------------------|---------------------|-------------------------------------|
| 1) Visual Inspection | <input type="checkbox"/> | 2) Instrument Check | <input checked="" type="checkbox"/> |
| 3) Tape Change       | <input type="checkbox"/> | 4) Battery Change   | <input checked="" type="checkbox"/> |
| 5) Damage Repair     | <input type="checkbox"/> | 6) Other            |                                     |

PHYSICAL DATA:

DIRECTION TOWARD WHICH CURRENT IS FLOWING (degrees magnetic): ~ 135°

TIME: 1135 EBB OR FLOOD?: FLOOD

FLOW METER READINGS (start): 687270 (end): 694967

DOWN METER TIMES (in water): 0 min. (out of water): 5 min.

(Leave blank)

REMARKS ON CURRENT:

AIR TEMPERATURE °C: 10°

WINDY BOTTLE NUMBER: —

(Leave blank)

OTHER (Plans with equipment, etc.):



CORPS OF ENGINEERS PROJECT DACW07-78-C-0049  
SAN PABLO - CHIPS ISLAND  
GROUND TRUTH DATA SHEET

STATION(spell out): GRIZZLY BAY STATION NO.: 6

CALIFORNIA

CALENDAR DATE: MONTH(spell out): DEC. DAY 18 YEAR '79

(leave blank)

CALIFORNIA ARRIVAL TIME: 1040

DEPARTURE TIME: 1050

RECORDER'S SIGNATURE: R. E. Green

PURPOSE OF STATION VISIT:

- |                      |                          |                     |   |
|----------------------|--------------------------|---------------------|---|
| 1) Visual Inspection | <input type="checkbox"/> | 2) Instrument Check | <input checked="" type="checkbox"/>         |
| 3) Tape Change       | <input type="checkbox"/> | 4) Battery Change   | <input type="checkbox"/>                    |
| 5) Damage Repair     | <input type="checkbox"/> | 6) Other            | <input checked="" type="checkbox"/> : _____ |

PHYSICAL DATA:

DIRECTION TOWARD WHICH CURRENT IS FLOWING (degrees magnetic): —

TIME: 1045 EBB OR FLOOD?: —

FLOW METER READINGS (start): — (end): —

FLOW METER TIMES (in water): — (out of water): —

(leave blank)

REMARKS ON CURRENT: \_\_\_\_\_

BUCKET TEMPERATURE °C: 10.5

SALINITY BOTTLE NUMBER: —

(leave blank)

REMARKS (problems with equipment, etc.): \_\_\_\_\_



U.S. COAST & GEOD. SURV. PROJECT DACW07-78-C-0019  
SAN PABLO - CHIPS ISLAND  
GROUND TRUTH DATA SHEET

STATION(spell out): San Pablo STATION NO.: # 1

CALIFORNIA

CALENDAR DATE: MONTH(spell out): December DAY 27 YEAR 79

(leave blank)

CALIFORNIA ARRIVAL TIME: 1240

DEPARTURE TIME: \_\_\_\_\_

RECORDER'S SIGNATURE: Jean Baur

PURPOSE OF STATION VISIT:

1) Visual Inspection ☐

2) Instrument Check ☐

3) Tape Change ☒

4) Battery Change ☒

5) Damage Repair ☐

6) Other [x]: saturnity

PHYSICAL DATA:

experiment

DIRECTION TOWARD WHICH CURRENT IS FLOWING (degrees magnetic): \_\_\_\_\_

TIME: \_\_\_\_\_ EBB OR FLOOD?: EBB

FLOW METER READINGS (start): 722465 (end): 739440

FLOW METER TIMES (in water): 1320 (out of water): 1325

(leave blank)

REMARKS ON CURRENT: \_\_\_\_\_

AIR TEMPERATURE °C: 9.5 Time: 1315

WINDY BOTTLE NUMBER: Time: 1327

Top - 135 / middle - 122 / Bottom - 11

(leave blank)

REMARKS (including with equipment, etc.):



COASTAL ENGINEERS PROJECT DACW57-76-C-0049  
SAN PABLO - CHIPS ISLAND  
GROUND TRUTH DATA SHEET

STATION(spell out): CARQUINEZ STRAITS STATION NO.: 2

CALIFORNIA

CALENDAR DATE: MONTH(spell out): DECEMBER DAY 27 YEAR 1979

(leave blank)

CALIFORNIA ARRIVAL TIME: 1445

DEPARTURE TIME: \_\_\_\_\_

RECORDER'S SIGNATURE: S. Hawes

PURPOSE OF STATION VISIT:

- |                      |                                     |                     |                                     |
|----------------------|-------------------------------------|---------------------|-------------------------------------|
| 1) Visual Inspection | <input type="checkbox"/>            | 2) Instrument Check | <input type="checkbox"/>            |
| 3) Tape Change       | <input checked="" type="checkbox"/> | 4) Battery Change   | <input checked="" type="checkbox"/> |
| 5) Damage Repair     | <input type="checkbox"/>            | 6) Other            | <input type="checkbox"/>            |

PHYSICAL DATA:

DIRECTION TOWARD WHICH CURRENT IS FLOWING (degrees magnetic): \_\_\_\_\_

TIME: 1452 EBB OR FLOOD?: EBB

FLOW METER READINGS (start): 739460 (end): 747620

FLOW METER TIMES (in water): 1458 (out of water): 1503

(leave blank)

COMMENTS ON CURRENT: \_\_\_\_\_

BUCKET TEMPERATURE °C: 9.5 - 1455 <sup>Surf</sup>

CLINITY BOTTLE NUMBER: surface - #49 - 1502 <sup>Surf</sup>

(leave blank)

REMARKS (problems with equipment, etc.): \_\_\_\_\_



no  
ground truth  
for station 3



PROJECT 340W07-78-C-0019  
SAN CARLO - CHIPS ISLAND  
GROUND TRUTH DATA SHEET

STATION(spell out): Port Chicago (#19) STATION NO.: #4

CALIFORNIA

CALENDAR DATE: MONTH(spell out): December DAY 27 YEAR 79

(leave blank)

CALIFORNIA ARRIVAL TIME: 1015

DEPARTURE TIME: 1045

RECORDER'S SIGNATURE: Joe Barr

PURPOSE OF STATION VISIT:

- 1) Visual Inspection ☐  
3) Tape Change ☒  
5) Damage Repair ☒

- 2) Instrument Check ☒  
4) Battery Change ☒  
6) Other ☐:

SICAL DATA:

DIRECTION TOWARD WHICH CURRENT IS FLOWING (degrees magnetic):

TIME: 0957 EBB OR FLOOD?:

FLOW METER READINGS (start): 718305 (end): 722463

FLOW METER TIMES (in water): 0957 (out of water): 1002 (1002)

(leave blank)

MENTS ON CURRENT:

WATER TEMPERATURE °C: 9.5 1025

SALINITY BOTTLE NUMBER: #24

Time 1030

(leave blank)

PROBS (problems with equipment, etc.):



## SAN PABLO - CHIPS ISLAND

## GROUND TRUTH DATA SHEET

STATION (spell out): Chips Island STATION NO.: 5

CALIFORNIA

CALENDAR DATE: MONTH (spell out): December DAY 26 YEAR 1979

(leave blank)

CALIFORNIA ARRIVAL TIME: 1247

DEPARTURE TIME: \_\_\_\_\_

RECORDER'S SIGNATURE: S. Hawes

PURPOSE OF STATION VISIT:

1) Visual Inspection ☐2) Instrument Check ☒3) Tape Change ☒4) Battery Change ☒5) Damage Repair ☐6) Other ☒: Salinity

HYDRAULIC DATA:

exposedDIRECTION TOWARD WHICH CURRENT IS FLOWING (degrees magnetic): 270°TIME: 1300 EBB OR FLOOD?: EBBFLOW METER READINGS (start): 709446 (end): 718310FLOW METER TIMES (in water): 1308 (out of water): 1313

(leave blank)

CURRENTS ON CURRENT: -WATER TEMPERATURE °C: 10° 1315SALINITY BOTTLE NUMBER: top - #6 mid - #9 bottom - #17Time 1325

(leave blank)

REMARKS (problems with equipment, etc.):

239 cm from benchmark to water surface - 1315



CORPS OF ENGINEERS PROJECT DACW07-76-C-0049  
SAN FABLE - CHIPS ISLAND  
GROUND TRUTH DATA SHEET

STATION(spell out): Grizzley Bay STATION NO.: 6

CALIFORNIA

CALENDAR DATE: MONTH(spell out): December DAY 26 YEAR 1979

(leave blank)

CALIFORNIA ARRIVAL TIME: 1100

DEPARTURE TIME: \_\_\_\_\_

RECORDER'S SIGNATURE: S. Hawes

PURPOSE OF STATION VISIT:

- |                      |                                     |  |                                     |
|----------------------|-------------------------------------|--|-------------------------------------|
| 1) Visual Inspection | <input type="checkbox"/>            | 2) Instrument Check  | <input checked="" type="checkbox"/> |
| 3) Tape Change       | <input checked="" type="checkbox"/> | 4) Battery Change  | <input checked="" type="checkbox"/> |
| 5) Damage Repair     | <input type="checkbox"/>            | 6) Other <input checked="" type="checkbox"/> : <u>Salinity</u> |                                     |

PHYSICAL DATA: experiment

DIRECTION TOWARD WHICH CURRENT IS FLOWING (degrees magnetic): \_\_\_\_\_

TIME: \_\_\_\_\_ EBB OR FLOOD?: \_\_\_\_\_

FLOW METER READINGS (start): \_\_\_\_\_ (end): \_\_\_\_\_

FLOW METER TIMES (in water): \_\_\_\_\_ (out of water): \_\_\_\_\_

(leave blank)

REMARKS ON CURRENT: \_\_\_\_\_

WATER TEMPERATURE °C: 9.5°

WINDY BOTTLE NUMBER: #56 - 1200pm

(leave blank)

PROBLEMS (problems with equipment, etc.): \_\_\_\_\_



CORPS OF ENGINEERS PROJECT DACW07-78-C-0049  
SAN PABLO - CHIPS ISLAND  
GROUND TRUTH DATA SHEET

STATION (spell out): San Pablo STATION NO.: 1

CALIFORNIA

CALENDAR DATE: MONTH (spell out): January DAY 10 YEAR 1980

(leave blank)

CALIFORNIA ARRIVAL TIME: 1155

DEPARTURE TIME: 1217

RECORDER'S SIGNATURE: Howard J. J.

PURPOSE OF STATION VISIT:

- |                      |                                     |                     |                                     |
|----------------------|-------------------------------------|---------------------|-------------------------------------|
| 1) Visual Inspection | <input type="checkbox"/>            | 2) Instrument Check | <input checked="" type="checkbox"/> |
| 3) Tape Change       | <input checked="" type="checkbox"/> | 4) Battery Change   | <input checked="" type="checkbox"/> |
| 5) Damage Repair     | <input checked="" type="checkbox"/> | 6) Other            | <input type="checkbox"/> : _____    |

SICAL DATA:

DIRECTION TOWARD WHICH CURRENT IS FLOWING (degrees magnetic): 230

TIME: 1155 EBB OR FLOOD?: ebb

FLOW METER READINGS (start): 747600 (end): 7476403

FLOW METER TIMES (in water): 1157 (out of water): 1202

(leave blank)

COMMENTS ON CURRENT: \_\_\_\_\_

BUCKET TEMPERATURE °C: 9.6

SALINITY BOTTLE NUMBER: 23

(leave blank)

REMARKS (problems with equipment, etc.):

blue box broken



CORPS OF ENGINEERS PROJECT DACW07-76-C-0049  
SAN PABLO - CHIPS ISLAND  
GROUND TRUTH DATA SHEET

STATION (spell out): Carpentry Strait STATION NO.: 2

CALIFORNIA

CALENDAR DATE: MONTH (spell out): January DAY 10 YEAR 80

(leave blank)

CALIFORNIA ARRIVAL TIME: 1303

DEPARTURE TIME: 1334

RECORDER'S SIGNATURE: Howard Lee

PURPOSE OF STATION VISIT:

1) Visual Inspection ☐

2) Instrument Check ☐

3) Tape Change ☒

4) Battery Change ☒

5) Damage Repair ☐

6) Other ☐ : \_\_\_\_\_

SICAL DATA:

DIRECTION TOWARD WHICH CURRENT IS FLOWING (degrees magnetic): 270

TIME: 1308 EBB OR FLOOD?: ebb

FLOW METER READINGS (start): 756400 (end): 766686

FLOW METER TIMES (in water): 1305 (out of water): 1310

(leave blank)

COMMENTS ON CURRENT: \_\_\_\_\_

BUCKET TEMPERATURE °C: 10.0

ALINITY BOTTLE NUMBER: 129

(leave blank)

REMARKS: (problems with equipment, etc.): \_\_\_\_\_



CORPS OF ENGINEERS PROJECT DACW07-78-C-0049  
SAN PABLO - CHIPS ISLAND  
GROUND TRUTH DATA SHEET

STATION (spell out): Bernicia / Martinez STATION NO.: 3

CALIFORNIA

CALENDAR DATE: MONTH (spell out): JAN. DAY 10 YEAR '80

(leave blank)

CALIFORNIA ARRIVAL TIME: 1417

DEPARTURE TIME: 1433

RECORDER'S SIGNATURE: R. S. Green

PURPOSE OF STATION VISIT:

- |                      |                                     |                     |                                     |
|----------------------|-------------------------------------|---------------------|-------------------------------------|
| 1) Visual Inspection | <input type="checkbox"/>            | 2) Instrument Check | <input type="checkbox"/>            |
| 3) Tape Change       | <input checked="" type="checkbox"/> | 4) Battery Change   | <input checked="" type="checkbox"/> |
| 5) Damage Repair     | <input type="checkbox"/>            | 6) Other            | <input type="checkbox"/> : _____    |

ADDITIONAL DATA:

DIRECTION TOWARD WHICH CURRENT IS FLOWING (degrees magnetic): ~ 225°

TIME: 1420 EBB OR FLOOD?: EBB

FLOW METER READINGS (start): 766700 (end): 776926

FLOW METER TIMES (in water): 1420 (out of water): 1425

(leave blank)

REMARKS ON CURRENT: \_\_\_\_\_

BUCKET TEMPERATURE °C: 1

SALINITY BOTTLE NUMBER: 10

(leave blank)

REMARKS (problems with equipment, etc.): \_\_\_\_\_



CORPS OF ENGINEERS PROJECT DACW07-78-C-0049  
SAN PABLO - CHIPS ISLAND  
GROUND TRUTH DATA SHEET

Sr ON(spell out): Port Chicago STATION NO.: 4

CALIFORNIA  
CALENDAR DATE: MONTH(spell out): January DAY 10 YEAR 1980

(leave blank)

CALIFORNIA ARRIVAL TIME: 1515

DEPARTURE TIME: 1710

RECORDER'S SIGNATURE: Howard Jones

PURPOSE OF STATION VISIT:

- |                      |                                     |                     |                                     |
|----------------------|-------------------------------------|---------------------|-------------------------------------|
| 1) Visual Inspection | <input type="checkbox"/>            | 2) Instrument Check | <input type="checkbox"/>            |
| 3) Tape Change       | <input checked="" type="checkbox"/> | 4) Battery Change   | <input checked="" type="checkbox"/> |
| 5) Damage Repair     | <input checked="" type="checkbox"/> | 6) Other            | <input type="checkbox"/> : _____    |

ADDITIONAL DATA:

DIRECTION TOWARD WHICH CURRENT IS FLOWING (degrees magnetic): 240

TIME: 1859 EBB OR FLOOD?: ebb

LOW METER READINGS (start): 777 000 (end): 779 441

LOW METER TIMES (in water): 1658 (out of water): 1703

(leave blank)

REMARKS ON CURRENT: \_\_\_\_\_

WATER TEMPERATURE °C: 9.6

WINDY BOTTLE NUMBER: 1

(leave blank)

OTHER (problems with equipment, etc.):

Stand off damaged.  
recorder tape changed  
1 compass removed



CORPS OF ENGINEERS PROJECT DACW07-78-C-0049  
SAN PABLO - CHIPS ISLAND  
GROUND TRUTH DATA SHEET

STATION (spell out): Chips Island STATION NO.: 5

CALIFORNIA

CALENDAR DATE: MONTH (spell out): January DAY 10 YEAR 1980

(leave blank)

CALIFORNIA ARRIVAL TIME: 1725

DEPARTURE TIME: 1735

RECORDER'S SIGNATURE: Howard Jones

PURPOSE OF STATION VISIT:

- |                      |                                     |                     |                                     |
|----------------------|-------------------------------------|---------------------|-------------------------------------|
| 1) Visual Inspection | <input type="checkbox"/>            | 2) Instrument Check | <input type="checkbox"/>            |
| 3) Tape Change       | <input checked="" type="checkbox"/> | 4) Battery Change   | <input checked="" type="checkbox"/> |
| 5) Damage Repair     | <input type="checkbox"/>            | 6) Other            | <input type="checkbox"/> : _____    |

ADDITIONAL DATA:

DIRECTION TOWARD WHICH CURRENT IS FLOWING (degrees magnetic): 260°

TIME: 1930 EBB OR FLOOD?: ebb

FLOW METER READINGS (start): 779390 (end): 779738

FLOW METER TIMES (in water): 1728 (out of water): 1733

(leave blank)

COMMENTS ON CURRENT: \_\_\_\_\_

BUCKET TEMPERATURE °C: 9.5°

SALINITY BOTTLE NUMBER: 112 A

(leave blank)

REMARKS (problems with equipment, etc.):



## CORPS OF ENGINEERS PROJECT DACW07-78-C-0049

SAN PABLO - CHIPS ISLAND

## GROUND TRUTH DATA SHEET

STATION (spell out): Drizley Bay STATION NO.: 6

CALIFORNIA

CALENDAR DATE: MONTH (spell out): January DAY 10 YEAR 80

(leave blank)

CALIFORNIA ARRIVAL TIME: 1810DEPARTURE TIME: 1833RECORDER'S SIGNATURE: Howard Jones

PURPOSE OF STATION VISIT:

1) Visual Inspection ☐2) Instrument Check ☐3) Tape Change ☒4) Battery Change ☒5) Damage Repair ☐6) Other ☐ : \_\_\_\_\_

TIDAL DATA:

DIRECTION TOWARD WHICH CURRENT IS FLOWING (degrees magnetic): \_\_\_\_\_

TIME: \_\_\_\_\_ EBB OR FLOOD?: \_\_\_\_\_

FLOW METER READINGS (start): \_\_\_\_\_ (end): \_\_\_\_\_

FLOW METER TIMES (in water): \_\_\_\_\_ (out of water): \_\_\_\_\_

(leave blank)

REMARKS ON CURRENT: \_\_\_\_\_

BUCKET TEMPERATURE °C: 9.2SALINITY BOTTLE NUMBER: 116 A

(leave blank)

REMARKS (problems with equipment, etc.): \_\_\_\_\_



San Pablo  
vandalized



CORPS OF ENGINEERS PROJECT DACW07-78-C-0049  
SAN PABLO - CHIPS ISLAND  
GROUND TRUTH DATA SHEET

STATION(spell out): Carquinez STATION NO.: 2

CALIFORNIA

CALENDAR DATE: MONTH(spell out): January DAY 29 YEAR 1980

(leave blank)

CALIFORNIA ARRIVAL TIME: 1222 L

DEPARTURE TIME: 1250

RECORDER'S SIGNATURE: H. Jan

PURPOSE OF STATION VISIT:

- |                      |                                     |                     |                                     |
|----------------------|-------------------------------------|---------------------|-------------------------------------|
| 1) Visual Inspection | <input type="checkbox"/>            | 2) Instrument Check | <input checked="" type="checkbox"/> |
| 3) Tape Change       | <input checked="" type="checkbox"/> | 4) Battery Change   | <input checked="" type="checkbox"/> |
| 5) Damage Repair     | <input type="checkbox"/>            | 6) Other            | <input type="checkbox"/> : _____    |

SICAL DATA:

DIRECTION TOWARD WHICH CURRENT IS FLOWING (degrees magnetic): 270°

TIME: 1226 EBB OR FLOOD?: ebb

FLOW METER READINGS (start): 780000 (end): 783000

FLOW METER TIMES (in water): 1227 (out of water): 1232

(leave blank)

COMMENTS ON CURRENT: \_\_\_\_\_

BUCKET TEMPERATURE °C: 9.3°

SALINITY BOTTLE NUMBER: 224

162 cm benchmark to water

(leave blank)

REMARKS (problems with equipment, etc.):



CORPS OF ENGINEERS PROJECT DACW07-78-C-0049  
SAN PABLO - CHIPS ISLAND  
GROUND TRUTH DATA SHEET

STATION (spell out): Benicia Martinez STATION NO.: 3

CALIFORNIA

CALENDAR DATE: MONTH (spell out): January DAY 29 YEAR 80

(Leave blank)

CALIFORNIA ARRIVAL TIME: 1315

DEPARTURE TIME: 2015

ENGINEER'S SIGNATURE: H. J. [Signature]

REUSE OF STATION VISIT:

1) Visual Inspection ☒ 2) Instrument Check ☒

3) Tape Change ☒ 4) Battery Change ☒

5) Damage Repair ☐ 6) Other ☒: Zinc

LOCAL DATA: Installed

DIRECTION TOWARD WHICH CURRENT IS FLOWING (degrees magnetic): 230°

TIME: 1340 EBB OR FLOOD?: ebb

LOW WATER READINGS (start): 783000 (end): 789958

LOW WATER TIMES (in water): 1340 (out of water): 1345

(Leave blank)

WIND DIRECTION: very strong

WIND VELOCITY: 9.0

WIND FORCE NUMBER: 114 A

(Leave blank)

data number all measured up. Something wrong  
with [unclear].



## SAN PABLO - CHIPS ISLAND

## GROUND TRUTH DATA SHEET

STATION(spell out): Port Chicago STATION NO.: 4

CALIFORNIA

CALENDAR DATE: MONTH(spell out): January DAY 30 YEAR 1980

(leave blank)

CALIFORNIA ARRIVAL TIME: 1315DEPARTURE TIME: 1620RECORDER'S SIGNATURE: 2/ Jensen

PURPOSE OF STATION VISIT:

- |                      |                                     |                     |                                     |
|----------------------|-------------------------------------|---------------------|-------------------------------------|
| 1) Visual Inspection | <input type="checkbox"/>            | 2) Instrument Check | <input checked="" type="checkbox"/> |
| 3) Tape Change       | <input checked="" type="checkbox"/> | 4) Battery Change   | <input checked="" type="checkbox"/> |
| 5) Damage Repair     | <input checked="" type="checkbox"/> | 6) Other            | <input type="checkbox"/> : _____    |

ICAL DATA:

DIRECTION TOWARD WHICH CURRENT IS FLOWING (degrees magnetic): 250TIME: 1555 EBB OR FLOOD?: ebbLOW METER READINGS (start): 795500 (end): 802684LOW METER TIMES (in water): 1556 (out of water): 1601

(leave blank)

REMARKS ON CURRENT: \_\_\_\_\_

WATER TEMPERATURE °C: 7.9WINDY BOTTLE NUMBER: 20

(leave blank)

REMARKS (problems with equipment, etc.):

bench mark 163 cm.



CORPS OF ENGINEERS PROJECT DACW07-78-C-0049  
SAN PABLO - CHIPS ISLAND  
GROUND TRUTH DATA SHEET

STATION(spell out): Chips Island STATION NO.: 5

CALIFORNIA  
CALENDAR DATE: MONTH(spell out): January DAY 30 YEAR 80

(leave blank)

CALIFORNIA ARRIVAL TIME: 0950

DEPARTURE TIME: 1050

RECORDER'S SIGNATURE: H. J. Jones

PURPOSE OF STATION VISIT:

1) Visual Inspection ☒

2) Instrument Check ☒

3) Tape Change ☒

4) Battery Change ☒

5) Damage Repair ☐

6) Other ☐ : inspect

ICAL DATA:

zinc OK

DIRECTION TOWARD WHICH CURRENT IS FLOWING (degrees magnetic): 120°

TIME: 1012 EBB OR FLOOD?: Flood

FLOW METER READINGS (start): 790000 (end): 795507

LOW METER TIMES (in water): 1016 (out of water): 1021:30

(leave blank)

MENTS ON CURRENT:

WCKET TEMPERATURE °C: 7.8°

ALINITY BOTTLE NUMBER: 16

(leave blank)

MARKS (problems with equipment, etc.):

Benchmark 176 cm at 1024



CORPS OF ENGINEERS PROJECT DACW07-76-C-0049  
SAN PABLO - CHIPS ISLAND  
GROUND TRUTH DATA SHEET

STATION(spell out): Griggley Bay STATION NO.: 6

CALIFORNIA

CALENDAR DATE: MONTH(spell out): January DAY 30 YEAR 1980

(leave blank)

CALIFORNIA ARRIVAL TIME: 1140

DEPARTURE TIME: 1235

RECORDER'S SIGNATURE: [Signature]

PURPOSE OF STATION VISIT:

- |                      |                                     |                     |                                     |
|----------------------|-------------------------------------|---------------------|-------------------------------------|
| 1) Visual Inspection | <input type="checkbox"/>            | 2) Instrument Check | <input checked="" type="checkbox"/> |
| 3) Tape Change       | <input checked="" type="checkbox"/> | 4) Battery Change   | <input checked="" type="checkbox"/> |
| 5) Damage Repair     | <input type="checkbox"/>            | 6) Other            | <input type="checkbox"/> : _____    |

ICAL DATA:

DIRECTION TOWARD WHICH CURRENT IS FLOWING (degrees magnetic): \_\_\_\_\_

TIME: \_\_\_\_\_ EBB OR FLOOD?: \_\_\_\_\_

FLOW METER READINGS (start): \_\_\_\_\_ (end): \_\_\_\_\_

FLOW METER TIMES (in water): \_\_\_\_\_ (out of water): \_\_\_\_\_

(leave blank)

MENTS ON CURRENT: \_\_\_\_\_

WATER TEMPERATURE °C: 8.4

WATER BOTTLE NUMBER: 13

(leave blank)

REMARKS (problems with equipment, etc.):



CORPS OF ENGINEERS PROJECT DACW07-C-0049  
SAN PABLO - CHIPPS ISLAND  
GROUND TRUTH DATA SHEET

( TIAL IT )

STATION (spell out): Carguinez STATION NO. 2

CALIFORNIA

CALENDAR DATE: MONTH (spell out): February DAY 14 YEAR 1980

(leave blank)

CALIFORNIA ARRIVAL TIME: 0950 DEPARTURE TIME: 1:12

TASKS ACCOMPLISHED ON THIS STATION VISIT: visual, change batteries  
replace recorder tape

PHYSICAL DATA:

DIRECTION TOWARD WHICH CURRENT IS FLOWING (degrees magnetic): 280

TIME: 0952 EBB OR FLOOD?: ebb

FLOW MTR REVS (start): 802700 (end): 802945 (diff):

1 MTR TIME (in water): 0954 (out): 1000 (diff):

REVS/MIN: SPEED:

COMMENTS ON CURRENT: 11.0

BUCKET TEMPERATURE °C: 10.9

SALINITY BOTTLE NUMBER: 134 FIELD SALINITY:

(leave blank)

REMARKS (problems with equipment, etc.):

BW - 11.0 120

11.0  
11.0  
11.0



( TIAL 11

**CALIFORNIA**

(leave blank)

TASKS ACCOMPLISHED ON THIS STATION VISIT:

TIME: 1:00 EBB OR FLOOD?: Flood

MTR TIME (in water): 1146 (out): 1152:30 (diff):

REVS/MIN: \_\_\_\_\_ SPEED: \_\_\_\_\_

COMMENTS ON CURRENT: STRONG CURRENT

BUCKET TEMPERATURE °C: 11.0

SALINITY BOTTLE NUMBER: #4 FIELD SALINITY:

(leave blank)

REMARKS (problems with equipment, etc.):



CORPS OF ENGINEERS PROJECT DACW07-C-0049  
SAN PABLO - CHIPPS ISLAND  
GROUND TRUTH DATA SHEET

TIAL H

STATION (spell out): PORT CHICAGO STATION NO. 4

CALIFORNIA  
CALENDAR DATE: MONTH (spell out): February DAY 19 YEAR 1980

(leave blank)

CALIFORNIA ARRIVAL TIME: 1215 DEPARTURE TIME: 1240

TASKS ACCOMPLISHED ON THIS STATION VISIT: FLY BY - INTRUCE TAPE

PHYSICAL DATA:

DIRECTION TOWARD WHICH CURRENT IS FLOWING (degrees magnetic): 115

TIME: 1230 EBB OR FLOOD?: Flood

FLOW MTR REVS (start): 812530 (end): 824234 (diff):           

MTR TIME (in water): 1234 (out): 1243 (diff):           

REVS/MIN:            SPEED:           

COMMENTS ON CURRENT: GENUINE FLOOD

BUCKET TEMPERATURE °C: 10.4

SALINITY BOTTLE NUMBER: 21 FIELD SALINITY:           

(leave blank)

REMARKS (problems with equipment, etc.):



CORPS OF ENGINEERS PROJECT DACW07-C-0049  
SAN PABLO - CHIPPS ISLAND  
GROUND TRUTH DATA SHEET

TIAL Ch

STATION (spell out): CHIPPS ISLAND STATION NO. 5

CALIFORNIA

CALENDAR DATE: MONTH (spell out): February 1 DAY 14 YEAR 1980

(leave blank)

CALIFORNIA ARRIVAL TIME: 1310 DEPARTURE TIME: 1345

TASKS ACCOMPLISHED ON THIS STATION VISIT: change bottom, check meter

PHYSICAL DATA:

DIRECTION TOWARD WHICH CURRENT IS FLOWING (degrees magnetic): 120 - 140, W 150

TIME: 1315 EBB OR FLOOD?: FLOOD (TIDE)

FLOW MTR REVS (start): 923978 SLAGK: @ 1320 (diff):

W MTR TIME (in water): 1318 (out): (diff):

REVS/MIN: SLAGK SPEED:

COMMENTS ON CURRENT: NEAR FLOOD NEAR HIGH TIDE

BUCKET TEMPERATURE °C: 15.5 C

SALINITY BOTTLE NUMBER: 102 FIELD SALINITY:

(leave blank)

REMARKS (problems with equipment, etc.):



CORPS OF ENGINEERS PROJECT DACW07-C-0049  
SAN PABLO - CHIPPS ISLAND  
GROUND TRUTH DATA SHEET

STATION 011

STATION (spell out): GRIZZLY BAY STATION NO. 6

CALIFORNIA

CALENDAR DATE: MONTH (spell out): FEB DAY 14 YEAR 1977

(leave blank)

CALIFORNIA ARRIVAL TIME: 1418 DEPARTURE TIME: 1440

TASKS ACCOMPLISHED ON THIS STATION VISIT: Tape change, Battery change

PHYSICAL DATA:

DIRECTION TOWARD WHICH CURRENT IS FLOWING (degrees magnetic):

TIME: EBB OR FLOOD?:

FLOW MTR REVS (start): (end): (diff):

MTR TIME (in water): (out): (diff):

REVS/MIN: SPEED:

COMMENTS ON CURRENT:

BUCKET TEMPERATURE °C: 10.2

SALINITY BOTTLE NUMBER: 124 FIELD SALINITY:

(leave blank)

REMARKS (problems with equipment, etc.):



CORPS OF ENGINEERS PROJECT DACW07-C-0049  
SAN PABLO - CHIPPS ISLAND  
GROUND TRUTH DATA SHEET

INITIAL FI

STATION (spell out): Carguinez STATION NO. 2

CALIFORNIA

CALENDAR DATE: MONTH (spell out): February DAY 26 YEAR 80

(leave blank)

CALIFORNIA ARRIVAL TIME: 1240 DEPARTURE TIME: 1450

TASKS ACCOMPLISHED ON THIS STATION VISIT: change batteries tape. pull

all meters. Re-zero turn in bottom. changed mids  
replaced turn cable on top of, absolute  
depth measurement

PHYSICAL DATA:

DIRECTION TOWARD WHICH CURRENT IS FLOWING (degrees magnetic): slack

TIME: 1640 EBB OR FLOOD?: slack

FLOW MTR REVS (start): 824200 (end): \_\_\_\_\_ (diff): \_\_\_\_\_

MTR TIME (in water): \_\_\_\_\_ (out): \_\_\_\_\_ (diff): \_\_\_\_\_

REVS/MIN: \_\_\_\_\_ SPEED: \_\_\_\_\_

COMMENTS ON CURRENT: \_\_\_\_\_

BUCKET TEMPERATURE °C: 12°

SALINITY BOTTLE NUMBER: 308 FIELD SALINITY: \_\_\_\_\_

(leave blank)

REMARKS (problems with equipment, etc.):

strong currents moving out 50 m. from R pier  
in channel



CORPS OF ENGINEERS PROJECT DACW07-C-0049  
SAN PABLO - CHIPPS ISLAND  
GROUND TRUTH DATA SHEET

INITIAL H

STATION (spell out): Benicia - Martinez STATION NO. 3

CALIFORNIA

CALENDAR DATE: MONTH (spell out): February DAY 27 YEAR 80

(leave blank)

CALIFORNIA ARRIVAL TIME: 1200 DEPARTURE TIME: 1425

TASKS ACCOMPLISHED ON THIS STATION VISIT: Change tape + batteries, blue box

replaced middle meter

PHYSICAL DATA:

DIRECTION TOWARD WHICH CURRENT IS FLOWING (degrees magnetic): 215°

TIME: 1420 EBB OR FLOOD?: ebb

FLOW MTR REVS (start): 824245 (end): 830465 (diff):

MTR TIME (in water): 1415 (out): 1420 (diff):

REVS/MIN: SPEED:

COMMENTS ON CURRENT:

BUCKET TEMPERATURE °C: 12.1°C

SALINITY BOTTLE NUMBER: 120 FIELD SALINITY:

(leave blank)

REMARKS (problems with equipment, etc.):

replaced middle meter. Replaced  
new battery



CORPS OF ENGINEERS PROJECT DACW07-C-0049  
SAN PABLO - CHIPPS ISLAND  
GROUND TRUTH DATA SHEET

INITIAL FI

STATION (spell out): Chips Island STATION NO. 5

CALIFORNIA

CALENDAR DATE: MONTH (spell out): February DAY 27 YEAR 1950

(leave blank)

CALIFORNIA ARRIVAL TIME: 0915 DEPARTURE TIME: 1010

TASKS ACCOMPLISHED ON THIS STATION VISIT: change tape & battery's check  
wind, cloud, barometer, depth

PHYSICAL DATA:

DIRECTION TOWARD WHICH CURRENT IS FLOWING (degrees magnetic): 75°

TIME: 0950 EBB OR FLOOD?: ebb

FLOW MTR REVS (start): 824200 (end): 824247 (diff):

MTR TIME (in water): 0939 (out): 0945 (diff):

REVS/MIN: SPEED:

COMMENTS ON CURRENT: very slow

BUCKET TEMPERATURE °C: 12.2

SALINITY BOTTLE NUMBER: 120 FIELD SALINITY:

(leave blank)

REMARKS (problems with equipment, etc.):



CORPS OF ENGINEERS PROJECT DACW07-C-0049  
SAN PABLO - CHIPPS ISLAND  
GROUND TRUTH DATA SHEET

INITIAL \_\_\_\_\_

STATION (spell out): Trigley Bay STATION NO. 6

CALIFORNIA

CALENDAR DATE: MONTH (spell out): February DAY 27 YEAR 80

(leave blank)

CALIFORNIA ARRIVAL TIME: 1455 DEPARTURE TIME: 1510

TASKS ACCOMPLISHED ON THIS STATION VISIT: \_\_\_\_\_

PHYSICAL DATA:

DIRECTION TOWARD WHICH CURRENT IS FLOWING (degrees magnetic): 190

TIME: 1500 EBB OR FLOOD?: ebb

FLOW MTR REVS (start): \_\_\_\_\_ (end): \_\_\_\_\_ (diff): \_\_\_\_\_

MTR TIME (in water): \_\_\_\_\_ (out): \_\_\_\_\_ (diff): \_\_\_\_\_

REVS/MIN: \_\_\_\_\_ SPEED: \_\_\_\_\_

COMMENTS ON CURRENT: slow

BUCKET TEMPERATURE °C: 12.4°

SALINITY BOTTLE NUMBER: 226 FIELD SALINITY: \_\_\_\_\_

(leave blank)

REMARKS (problems with equipment, etc.):



CORPS OF ENGINEERS PROJECT DACW07-C-0049  
SAN PABLO - CHIPPS ISLAND  
GROUND TRUTH DATA SHEET

INITIAL SP

STATION (spell out):

Cavquinez Straights

STATION NO.

2

CALIFORNIA

CALENDAR DATE: MONTH (spell out):

March

DAY

12

YEAR

1980

(leave blank)

CALIFORNIA ARRIVAL TIME:

0920

DEPARTURE TIME:

0950

TASKS ACCOMPLISHED ON THIS STATION VISIT:

Tape 5 Battery & clock  
change & Ground truth

PHYSICAL DATA:

DIRECTION TOWARD WHICH CURRENT IS FLOWING (degrees magnetic):

Slackwater

TIME:

0940

EBB OR FLOOD?:

FLOW MTR REVS (start):

(end):

(diff):

OW MTR TIME (in water):

(out):

(diff):

REVS/MIN:

SPEED:

COMMENTS ON CURRENT:

Slack

BUCKET TEMPERATURE °C:

12.3°C

SALINITY BOTTLE NUMBER:

310

FIELD SALINITY:

(leave blank)

REMARKS (problems with equipment, etc.):



CORPS OF ENGINEERS PROJECT DACW07-C-0049  
SAN PABLO - CHIPPS ISLAND  
GROUND TRUTH DATA SHEET

INITIAL SC

STATION (spell out): BERNICE STATION NO. 3

CALIFORNIA

CALENDAR DATE: MONTH (spell out): MARCH DAY 12 YEAR 1980

(leave blank)

CALIFORNIA ARRIVAL TIME: 1015 DEPARTURE TIME: 1125

TASKS ACCOMPLISHED ON THIS STATION VISIT: FLY BY, RESET RECORDER CLOCK

PHYSICAL DATA:

DIRECTION TOWARD WHICH CURRENT IS FLOWING (degrees magnetic): 210°

TIME: 1110 EBB OR FLOOD?: START ON EBB

FLOW MTR REVS (start): 832940 (end): 833796 (diff):

LOW MTR TIME (in water): 1113 (out): 1119 (diff): 6 min

REVS/MIN: SPEED:

COMMENTS ON CURRENT: AT HOUR (1100) TIDE WAS BARELY STARTING TO EBB

BUCKET TEMPERATURE °C: 12.5°

SALINITY BOTTLE NUMBER: 219 FIELD SALINITY:

(leave blank)

REMARKS (problems with equipment, etc.):



CORPS OF ENGINEERS PROJECT DACW07-C-0049  
SAN PABLO - CHIPPS ISLAND  
GROUND TRUTH DATA SHEET

INITIAL CR

STATION (spell out): PORT CHICAGO STATION NO. 4

CALIFORNIA  
CALENDAR DATE: MONTH (spell out): MARCH DAY 12 YEAR 1980

(leave blank)

CALIFORNIA ARRIVAL TIME: 1155 DEPARTURE TIME: 1330

TASKS ACCOMPLISHED ON THIS STATION VISIT: FLY BY - INSTALL RECORDER,  
RESET RECORDER CLOCK

PHYSICAL DATA:

DIRECTION TOWARD WHICH CURRENT IS FLOWING (degrees magnetic): 250°

TIME: 1243 EBB OR FLOOD?: EBB

FLOW MTR REVS (start): 833800 (end): 840337 (diff):

W MTR TIME (in water): 1243 (out): 1249 (diff):

REVS/MIN: SPEED:

COMMENTS ON CURRENT: EBB NOW GOING FINETLY WELL - WE ARE AT HIGH WATER

BUCKET TEMPERATURE °C: 12.6°C

SALINITY BOTTLE NUMBER: 216 FIELD SALINITY:

(leave blank)

REMARKS (problems with equipment, etc.):

Tide is dropping now and ebb current is strong -  
not calm



CORPS OF ENGINEERS PROJECT DACW07-C-0049  
SAN PABLO - CHIPPS ISLAND  
GROUND TRUTH DATA SHEET

INITIAL CIC

STATION (spell out): CHIPPS ISLAND STATION NO. 5

CALIFORNIA

CALENDAR DATE: MONTH (spell out): MARCH DAY 12 YEAR 1980

(leave blank)

CALIFORNIA ARRIVAL TIME: 1400 DEPARTURE TIME: 1520

TASKS ACCOMPLISHED ON THIS STATION VISIT: RESET RECORDER CLOCKS,

Change tape

PHYSICAL DATA:

DIRECTION TOWARD WHICH CURRENT IS FLOWING (degrees magnetic): 260

TIME: 1515 EBB OR FLOOD?: EBB

FLOW MTR REVS (start): 840634 (end): 851347 (diff):

LOW MTR TIME (in water): 1513 (out): 1518 (diff):

REVS/MIN: SPEED:

COMMENTS ON CURRENT: Ebbing hard

BUCKET TEMPERATURE °C: 12.3

SALINITY BOTTLE NUMBER: 19 FIELD SALINITY:

(leave blank)

REMARKS (problems with equipment, etc.):



CORPS OF ENGINEERS PROJECT DACW07-C-0049  
SAN PABLO - CHIPPS ISLAND  
GROUND TRUTH DATA SHEET

INITIAL Ch

STATION (spell out): GRIZZLY BAY STATION NO. 6

CALIFORNIA

CALENDAR DATE: MONTH (spell out): MARCH DAY 12 YEAR 1980

(leave blank)

CALIFORNIA ARRIVAL TIME: 1550 DEPARTURE TIME: 1610

TASKS ACCOMPLISHED ON THIS STATION VISIT: RESET RECORDER CLOCK;  
CHANGE TAPE

PHYSICAL DATA:

DIRECTION TOWARD WHICH CURRENT IS FLOWING (degrees magnetic): \_\_\_\_\_

TIME: ~ 1605 EBB OR FLOOD?: \_\_\_\_\_

FLOW MTR REVS (start): \_\_\_\_\_ (end): \_\_\_\_\_ (diff): \_\_\_\_\_

W MTR TIME (in water): \_\_\_\_\_ (out): \_\_\_\_\_ (diff): \_\_\_\_\_

REVS/MIN: \_\_\_\_\_ SPEED: \_\_\_\_\_

COMMENTS ON CURRENT: \_\_\_\_\_

BUCKET TEMPERATURE °C: 12.2 °C

SALINITY BOTTLE NUMBER: 42 FIELD SALINITY: \_\_\_\_\_

(leave blank)

REMARKS (problems with equipment, etc.):



CORPS OF ENGINEERS PROJECT DACW07-C-0049  
SAN PABLO - CHIPPS ISLAND  
GROUND TRUTH DATA SHEET

INITIAL EP

STATION (spell out): Caquinez

STATION NO. 2

CALIFORNIA

CALENDAR DATE: MONTH (spell out): March

DAY 25

YEAR 1980

(leave blank)

CALIFORNIA ARRIVAL TIME: 1525

DEPARTURE TIME: 1605

TASKS ACCOMPLISHED ON THIS STATION VISIT: battery & Tape change

PHYSICAL DATA:

DIRECTION TOWARD WHICH CURRENT IS FLOWING (degrees magnetic): 270° Magnetic

TIME: 1530

EBB OR FLOOD?: Ebb

FLOW MTR REVS (start): 873000 (end): 894637 (diff):

FLOW MTR TIME (in water): 1530:15 (out): 1535:15 (diff):

REVS/MIN:

SPEED:

COMMENTS ON CURRENT: Strong Ebb

BUCKET TEMPERATURE °C: 12.402

SALINITY BOTTLE NUMBER: 71

FIELD SALINITY:

(leave blank)

REMARKS (problems with equipment, etc.):



CORPS OF ENGINEERS PROJECT DACW07-C-0049  
SAN PABLO - CHIPPS ISLAND  
GROUND TRUTH DATA SHEET

INITIAL RR

STATION (spell out): Benicia STATION NO. 3

CALIFORNIA

CALENDAR DATE: MONTH (spell out): MARCH DAY 25 YEAR 1980

(leave blank)

CALIFORNIA ARRIVAL TIME: 11:17 AM DEPARTURE TIME: \_\_\_\_\_

TASKS ACCOMPLISHED ON THIS STATION VISIT: TAPE & BATTERY CHANGE

PHYSICAL DATA:

DIRECTION TOWARD WHICH CURRENT IS FLOWING (degrees magnetic): \_\_\_\_\_

TIME: \_\_\_\_\_ EBB OR FLOOD?: \_\_\_\_\_

FLOW MTR REVS (start): 354871 (end): 358759 (diff): 3888

( W MTR TIME (in water): 11:25:40 (out): 11:30:45 (diff): 5 min

REVS/MIN: 777.6 SPEED: \_\_\_\_\_

COMMENTS ON CURRENT: EBB running

BUCKET TEMPERATURE °C: 12.2°

SALINITY BOTTLE NUMBER: 83 FIELD SALINITY: \_\_\_\_\_

(leave blank)

REMARKS (problems with equipment, etc.):

Water bucket coated with oil deposit. Difficulty in basing the  
bathythermograph. The bathythermograph was not to ground. The  
bathythermograph was not to ground. The bathythermograph was not to ground.



CORPS OF ENGINEERS PROJECT DACW07-C-0049  
SAN PABLO - CHIPPS ISLAND  
GROUND TRUTH DATA SHEET

INITIAL RR  
STATION (spell out): PORT CHICAGO STATION NO. 4  
CALIFORNIA  
CALENDAR DATE: MONTH (spell out): MARCH DAY 25 YEAR 1980

(leave blank)

CALIFORNIA ARRIVAL TIME: 1235 DEPARTURE TIME: 13105  
TASKS ACCOMPLISHED ON THIS STATION VISIT: CHANGE BATTERIES + TAP

PHYSICAL DATA:

DIRECTION TOWARD WHICH CURRENT IS FLOWING (degrees magnetic):  
TIME: 12:35 EBB OR FLOOD?: EBB  
FLOW MTR REVS (start): 858770 (end): 864807 (diff): 6037  
FLOW MTR TIME (in water): 12:22:00 (out): 12:27:00 (diff): 05:00  
REVS/MIN: 1207.4 SPEED:  
COMMENTS ON CURRENT:  
BUCKET TEMPERATURE °C: 12.20 C  
SALINITY BOTTLE NUMBER: 51 FIELD SALINITY:

(leave blank)

REMARKS (problems with equipment, etc.):

Terminal port problem



CORPS OF ENGINEERS PROJECT DACW07-C-0049  
SAN PABLO - CHIPPS ISLAND  
GROUND TRUTH DATA SHEET

TIAL RR

STATION (spell out): CHIPPS ISLAND STATION NO. 5

CALIFORNIA  
CALENDAR DATE: MONTH (spell out): MARCH DAY 25 YEAR 1980

(leave blank)

CALIFORNIA ARRIVAL TIME: 13:23 DEPARTURE TIME: 14:05

TASKS ACCOMPLISHED ON THIS STATION VISIT: CHANGE TAPES - BATTERIES

PHYSICAL DATA:

DIRECTION TOWARD WHICH CURRENT IS FLOWING (degrees magnetic): \_\_\_\_\_

TIME: 13:23 EBB OR FLOOD?: EBB

FLOW MTR REVS (start): 864950 (end): 873942 (diff): 8992

1 MTR TIME (in water): 13:26:15 (out): 13:31:15 (diff): 5 min

REVS/MIN: 1798.4 SPEED: \_\_\_\_\_

COMMENTS ON CURRENT: \_\_\_\_\_

BUCKET TEMPERATURE °C: 11.8°C

SALINITY BOTTLE NUMBER: 61 FIELD SALINITY: \_\_\_\_\_

(leave blank)

REMARKS (problems with equipment, etc.):



CORPS OF ENGINEERS PROJECT DACW07-C-0049  
SAN PABLO - CHIPPS ISLAND  
GROUND TRUTH DATA SHEET

INITIAL A

STATION (spell out): San Pablo Bay STATION NO. 7

CALIFORNIA

LENDAR DATE: MONTH (spell out): March DAY 25 YEAR 80

(leave blank)

CALIFORNIA ARRIVAL TIME: 0918 DEPARTURE TIME: 0945

SKS ACCOMPLISHED ON THIS STATION VISIT: blue box check, change

Water in + tape

PHYSICAL DATA:

DIRECTION TOWARD WHICH CURRENT IS FLOWING (degrees magnetic): 8

ME: \_\_\_\_\_ EBB OR FLOOD?: \_\_\_\_\_

LOW MTR REVS (start): \_\_\_\_\_ (end): \_\_\_\_\_ (diff): \_\_\_\_\_

LOW ~ TIME (in water): \_\_\_\_\_ (out): \_\_\_\_\_ (diff): \_\_\_\_\_

VS/MIN: \_\_\_\_\_ SPEED: \_\_\_\_\_

REMARKS ON CURRENT: minimal

WATER TEMPERATURE °C: 12.0 C

WATER BOTTLE NUMBER: 53 FIELD SALINITY: \_\_\_\_\_

(leave blank)

REMARKS (problems with equipment, etc.):



CORPS OF ENGINEERS PROJECT DACW07-C-0049  
SAN PABLO - CHIPPS ISLAND  
GROUND TRUTH DATA SHEET

INITIAL IF

STATION (spell out): San Pablo STATION NO. 1

CALIFORNIA  
LENDAR DATE: MONTH (spell out): April DAY 10 YEAR 80

(leave blank)

CALIFORNIA ARRIVAL TIME: 0853 DEPARTURE TIME: 0920

TASKS ACCOMPLISHED ON THIS STATION VISIT: TAPES Battery Charge

PHYSICAL DATA:

DIRECTION TOWARD WHICH CURRENT IS FLOWING (degrees magnetic): 220

TIME: 0900 EBB OR FLOOD?: ebb

DW MTR REVS (start): 894600 (end): 895367 (diff):

DW MTR TIME (in water): 0905:30 (out): 0910:30 (diff):

W/S/MIN: SPEED:

MENTS ON CURRENT: minimal

WATER TEMPERATURE °C: 13.5

WATER BOTTLE NUMBER: 1 FIELD SALINITY:

(leave blank)

REMARKS (problems with equipment, etc.):



CORPS OF ENGINEERS PROJECT DACW07-C-0049  
SAN PABLO - CHIPPS ISLAND  
GROUND TRUTH DATA SHEET

INITIAL H

STATION (spell out): Carguena STATION NO. 2

CALIFORNIA  
CALENDAR DATE: MONTH (spell out): April DAY 10 YEAR 80

(leave blank)

CALIFORNIA ARRIVAL TIME: 0954 DEPARTURE TIME: 1012

TASKS ACCOMPLISHED ON THIS STATION VISIT: change tape + batteries, ground  
truth, blue box check

PHYSICAL DATA:

DIRECTION TOWARD WHICH CURRENT IS FLOWING (degrees magnetic): 265

TIME: 1000 EBB OR FLOOD?: \_\_\_\_\_

FLOW MTR REVS (start): 895400 (end): 896193 (diff): \_\_\_\_\_

FLOW MTR TIME (in water): 0955:15 (out): 1000:15 (diff): 5 min

REVS/MIN: \_\_\_\_\_ SPEED: \_\_\_\_\_

COMMENTS ON CURRENT: slow

BUCKET TEMPERATURE °C: 13.8

SALINITY BOTTLE NUMBER: 54 FIELD SALINITY: \_\_\_\_\_

(leave blank)

REMARKS (problems with equipment, etc.):



CORPS OF ENGINEERS PROJECT DACW07-C-0049  
SAN PABLO - CHIPPS ISLAND  
GROUND TRUTH DATA SHEET

INITIAL H

STATION (spell out): Benicia - Martinez STATION NO. 3

CALIFORNIA

CALENDAR DATE: MONTH (spell out): April DAY 10 YEAR 80

(leave blank)

CALIFORNIA ARRIVAL TIME: 1035 DEPARTURE TIME: 1114

TASKS ACCOMPLISHED ON THIS STATION VISIT: change tape & batteries, ground  
truth, blue box check

PHYSICAL DATA:

DIRECTION TOWARD WHICH CURRENT IS FLOWING (degrees magnetic): 220

TIME: 1004 EBB OR FLOOD?: EBB

FLOW MTR REVS (start): 896200 (end): 899842 (diff):

PUMP MTR TIME (in water): 1101 (out): 1105 (diff): 4 min

REVS/MIN: SPEED:

COMMENTS ON CURRENT:

BUCKET TEMPERATURE °C: 14.2

SALINITY BOTTLE NUMBER: 11 FIELD SALINITY:

(leave blank)

REMARKS (problems with equipment, etc.):



CORPS OF ENGINEERS PROJECT DACW07-C-0049  
SAN PABLO - CHIPPS ISLAND  
GROUND TRUTH DATA SHEET

INITIAL IF

STATION (spell out): Port Chicago STATION NO. 4

CALIFORNIA

CALENDAR DATE: MONTH (spell out): April DAY 10 YEAR 80

(leave blank)

CALIFORNIA ARRIVAL TIME: 1145 DEPARTURE TIME: 1216

TASKS ACCOMPLISHED ON THIS STATION VISIT: change batteries + tape  
ground truth, blue box check

PHYSICAL DATA:

DIRECTION TOWARD WHICH CURRENT IS FLOWING (degrees magnetic): \_\_\_\_\_

TIME: 1200 EBB OR FLOOD?: ebb

FLOW MTR REVS (start): 899999 (end): 909903 (diff): \_\_\_\_\_

FLOW MTR TIME (in water): 1153 (out): 1202 (diff): 9 min

REVS/MIN: \_\_\_\_\_ SPEED: \_\_\_\_\_

COMMENTS ON CURRENT: \_\_\_\_\_

BUCKET TEMPERATURE °C: 15.0

SALINITY BOTTLE NUMBER: 122 FIELD SALINITY: \_\_\_\_\_

(leave blank)

REMARKS (problems with equipment, etc.):



CORPS OF ENGINEERS PROJECT DACW07-C-0049  
SAN PABLO - CHIPPS ISLAND  
GROUND TRUTH DATA SHEET

INITIAL HT

STATION (spell out): Chipps Island STATION NO. 5

CALIFORNIA  
CALENDAR DATE: MONTH (spell out): April DAY 10 YEAR 80

(leave blank)

CALIFORNIA ARRIVAL TIME: 1235 DEPARTURE TIME: 1400

TASKS ACCOMPLISHED ON THIS STATION VISIT: change tape + batteries,  
ground truth, blue box check

PHYSICAL DATA:

DIRECTION TOWARD WHICH CURRENT IS FLOWING (degrees magnetic): 270

TIME: 1255 EBB OR FLOOD?: ebb

FLOW MTR REVS (start): 909900 (end): 919844 (diff):

FLOW MTR TIME (in water): 1353 (out): 1358 (diff): 5 min

REVS/MIN: SPEED:

COMMENTS ON CURRENT:

BUCKET TEMPERATURE °C: 14.6

SALINITY BOTTLE NUMBER: 69 FIELD SALINITY:

(leave blank)

REMARKS (problems with equipment, etc.):



CORPS OF ENGINEERS PROJECT DACW07-C-0049  
SAN PABLO - CHIPPS ISLAND  
GROUND TRUTH DATA SHEET

INITIAL FF

STATION (spell out): Griggles Bay STATION NO. 6

CALIFORNIA

CALENDAR DATE: MONTH (spell out): April DAY 10 YEAR 80

(leave blank)

CALIFORNIA ARRIVAL TIME: 1435 DEPARTURE TIME: 1515

TASKS ACCOMPLISHED ON THIS STATION VISIT: change batteries + tape,  
ground truth, blue box check

PHYSICAL DATA:

DIRECTION TOWARD WHICH CURRENT IS FLOWING (degrees magnetic): 200

TIME: 1440 EBB OR FLOOD?: ebb

FLOW MTR REVS (start):                      (end):                      (diff):                     

FLOW MTR TIME (in water):                      (out):                      (diff):                     

REVS/MIN:                      SPEED:                     

COMMENTS ON CURRENT:                     

BUCKET TEMPERATURE °C: 16.5

SALINITY BOTTLE NUMBER: 9 FIELD SALINITY:                     

(leave blank)

REMARKS (problems with equipment, etc.):



CORPS OF ENGINEERS PROJECT DACW07-C-0049  
SAN PABLO - CHIPPS ISLAND  
GROUND TRUTH DATA SHEET

IAL 17

STATION (spell out): Carquinez STATION NO. 2

CALIFORNIA

CALENDAR DATE: MONTH (spell out): April DAY 28 YEAR 1980

(leave blank)

CALIFORNIA ARRIVAL TIME: 1400 DEPARTURE TIME: \_\_\_\_\_

TASKS ACCOMPLISHED ON THIS STATION VISIT: \_\_\_\_\_

PHYSICAL DATA:

DIRECTION TOWARD WHICH CURRENT IS FLOWING (degrees magnetic): 280

ME: 1410 EBB OR FLOOD?: ebb

LOW MTR REVS (start): 919800 (end): 920398 (diff): \_\_\_\_\_

MTR TIME (in water): 1415:00 (out): 1423:00 (diff): 8 min

REVS/MIN: \_\_\_\_\_ SPEED: \_\_\_\_\_

COMMENTS ON CURRENT: minimal

BUCKET TEMPERATURE °C: 15.8

SALINITY BOTTLE NUMBER: 138 FIELD SALINITY: \_\_\_\_\_

(leave blank)

REMARKS (problems with equipment, etc.):



CORPS OF ENGINEERS PROJECT DACW07-C-0049  
SAN PABLO - CHIPPS ISLAND  
GROUND TRUTH DATA SHEET

1 IAL A

STATION (spell out): Bermain - Martney STATION NO. 3

CALIFORNIA

CALENDAR DATE: MONTH (spell out): April DAY 30 YEAR 80

(leave blank)

CALIFORNIA ARRIVAL TIME: 1240 DEPARTURE TIME: \_\_\_\_\_

TASKS ACCOMPLISHED ON THIS STATION VISIT: change top water, blue box check  
change batteries & trips

PHYSICAL DATA:

DIRECTION TOWARD WHICH CURRENT IS FLOWING (degrees magnetic): 350

ME: 1345 EBB OR FLOOD?: flood

FLOW MTR REVS (start): 920000 (end): 928445 (diff): \_\_\_\_\_

( MTR TIME (in water): 1331 (out): 1336 (diff): \_\_\_\_\_

REVS/MIN: \_\_\_\_\_ SPEED: \_\_\_\_\_

REMARKS ON CURRENT: \_\_\_\_\_

BUCKET TEMPERATURE °C: 17.4

SALINITY BOTTLE NUMBER: 135 FIELD SALINITY: \_\_\_\_\_

(leave blank)

REMARKS (problems with equipment, etc.):



CORPS OF ENGINEERS PROJECT DACW07-C-0049  
SAN PABLO - CHIPPS ISLAND  
GROUND TRUTH DATA SHEET

1 IAL A

STATION (spell out): Port Chicago STATION NO. 4

CALIFORNIA

CALENDAR DATE: MONTH (spell out): April DAY 30 YEAR 80

(leave blank)

CALIFORNIA ARRIVAL TIME: 1435 DEPARTURE TIME: 1635

TASKS ACCOMPLISHED ON THIS STATION VISIT: Blue box check, change batteries  
+ tape. Changed bottom meter to check it for depth

PHYSICAL DATA:

DIRECTION TOWARD WHICH CURRENT IS FLOWING (degrees magnetic): 70

TIME: 1440 EBB OR FLOOD?: Drift

FLOW MTR REVS (start): 928500 (end): 936673 (diff):

MTR TIME (in water): 1623 (out): 1631 (diff):

REVS/MIN: SPEED:

MENTS ON CURRENT:

BUCKET TEMPERATURE °C: 16.8

SALINITY BOTTLE NUMBER: 124 FIELD SALINITY:

(leave blank)

REMARKS (problems with equipment, etc.):



CORPS OF ENGINEERS PROJECT DACW07-C-0049  
SAN PABLO - CHIPPS ISLAND  
GROUND TRUTH DATA SHEET

TIAL F

STATION (spell out): Chipp's Island STATION NO. 5

CALIFORNIA  
CALENDAR DATE: MONTH (spell out): April DAY 30 YEAR 80

(leave blank)

CALIFORNIA ARRIVAL TIME: 1655 DEPARTURE TIME: 1712  
TASKS ACCOMPLISHED ON THIS STATION VISIT: blue box check, change batteries  
& tape ground truth

PHYSICAL DATA:

DIRECTION TOWARD WHICH CURRENT IS FLOWING (degrees magnetic): ---

TIME: 1710 EBB OR FLOOD?: ---

FLOW MTR REVS (start): 936700 (end): 936923 (diff): ---

MTR TIME (in water): 1700 (out): 1705 (diff): ---

REVS/MIN: --- SPEED: ---

MENTS ON CURRENT: no noticeable current - in tide

CKET TEMPERATURE °C: 18°

SALINITY BOTTLE NUMBER: 134 FIELD SALINITY: ---

(leave blank)

MARKS (problems with equipment, etc.):



CORPS OF ENGINEERS PROJECT DACW07-C-0049  
SAN PABLO - CHIPPS ISLAND  
GROUND TRUTH DATA SHEET

TIAL H

STATION (spell out): Gringley Bay STATION NO. 6

CALIFORNIA

CALENDAR DATE: MONTH (spell out): April DAY 30 YEAR 80

(leave blank)

CALIFORNIA ARRIVAL TIME: 1555 DEPARTURE TIME: 1807

TASKS ACCOMPLISHED ON THIS STATION VISIT: Blue box check, change batteries, tape ground truth

PHYSICAL DATA:

DIRECTION TOWARD WHICH CURRENT IS FLOWING (degrees magnetic): ---

ME: 1800 EBB OR FLOOD?: ---

LOW MTR REVS (start): --- (end): --- (diff): ---

1 MTR TIME (in water): --- (out): --- (diff): ---

REVS/MIN: --- SPEED: ---

COMMENTS ON CURRENT: ---

BUCKET TEMPERATURE °C: 17.8

SALINITY BOTTLE NUMBER: 125 FIELD SALINITY: ---

(leave blank)

REMARKS (problems with equipment, etc.):



CORPS OF ENGINEERS PROJECT DACW07-C-0049  
SAN PABLO - CHIPPS ISLAND  
GROUND TRUTH DATA SHEET

SPECIAL CR

STATION (spell out): BENICIA STATION NO. 3

CALIFORNIA  
CALENDAR DATE: MONTH (spell out): MAY DAY 19 MONDAY YEAR 80

(leave blank)

CALIFORNIA ARRIVAL TIME: 1030 DEPARTURE TIME: 1145

TASKS ACCOMPLISHED ON THIS STATION VISIT: CHANGE RECORDER, CHANGE BATTERIES  
RESET CLOCK

PHYSICAL DATA:

DIRECTION TOWARD WHICH CURRENT IS FLOWING (degrees magnetic): 220°

TIME: \_\_\_\_\_ EBB OR FLOOD?: STRONG EBB

FLOW MTR REVS (start): 952230 (end): 973687 (diff): \_\_\_\_\_

MTR TIME (in water): 1101 (out): 1111 (diff): \_\_\_\_\_

REVS/MIN: \_\_\_\_\_ SPEED: \_\_\_\_\_

REMARKS ON CURRENT: STRONG EBB INTO 15 KNOT BREEZE (NW!)

WATER TEMPERATURE °C: no thermometer

SALINITY BOTTLE NUMBER: 130 FIELD SALINITY: \_\_\_\_\_

(leave blank)

REMARKS (problems with equipment, etc.):



CORPS OF ENGINEERS PROJECT DACW07-C-0049  
SAN PABLO - CHIPPS ISLAND  
GROUND TRUTH DATA SHEET

UTIAL FF

STATION (spell out): Port Chicago STATION NO. 4

CALIFORNIA

CALENDAR DATE: MONTH (spell out): May DAY 16 YEAR 80

(leave blank)

CALIFORNIA ARRIVAL TIME: 1745 DEPARTURE TIME: 1835

TASKS ACCOMPLISHED ON THIS STATION VISIT: Blue box check, change tape  
+ batteries, ground truth

PHYSICAL DATA:

DIRECTION TOWARD WHICH CURRENT IS FLOWING (degrees magnetic): 90

TIME: 1753 EBB OR FLOOD?: ebb

LOW MTR REVS (start): 944300 (end): 952232 (diff):

W MTR TIME (in water): 1751 (out): 1758 (diff): 7

REVS/MIN: SPEED:

REMARKS ON CURRENT:

WCKET TEMPERATURE °C: W/A

SALINITY BOTTLE NUMBER: 507 FIELD SALINITY:

(leave blank)

REMARKS (problems with equipment, etc.):

San Jose project has barometer



CORPS OF ENGINEERS PROJECT DACW07-C-0049  
SAN PABLO - CHIPPS ISLAND  
GROUND TRUTH DATA SHEET

TIAL IF

STATION (spell out): Chippis Island STATION NO. 5

CALIFORNIA

CALENDAR DATE: MONTH (spell out): May DAY 16 YEAR 80

(leave blank)

CALIFORNIA ARRIVAL TIME: 1705 DEPARTURE TIME: 1735

TASKS ACCOMPLISHED ON THIS STATION VISIT: Blue Box Check, Change  
Tape & Batteries, ground truth (no temp)

PHYSICAL DATA:

DIRECTION TOWARD WHICH CURRENT IS FLOWING (degrees magnetic): 110

TIME: 1710 EBB OR FLOOD?: Flood

FLOW MTR REVS (start): 937000 (end): 944295 (diff):

1 MTR TIME (in water): 1713:30 (out): 1721:30 (diff): 8

EVS/MIN: SPEED:

MENTS ON CURRENT:

CKET TEMPERATURE °C: n/A

SALINITY BOTTLE NUMBER: 227 FIELD SALINITY:

(leave blank)

REMARKS (problems with equipment, etc.):

San Jose project has the monometer



CORPS OF ENGINEERS PROJECT DACW07-C-0049  
SAN PABLO - CHIPPS ISLAND  
GROUND TRUTH DATA SHEET

INITIAL HT

STATION (spell out): Smugglers Bay STATION NO. 6

CALIFORNIA

CALENDAR DATE: MONTH (spell out): May DAY 16 YEAR 80

(leave blank)

CALIFORNIA ARRIVAL TIME: 1605 DEPARTURE TIME: 1635

TASKS ACCOMPLISHED ON THIS STATION VISIT: blue box check, change

Tape & batteries, ground truth

PHYSICAL DATA:

DIRECTION TOWARD WHICH CURRENT IS FLOWING (degrees magnetic): \_\_\_\_\_

ME: 1610 EBB OR FLOOD?: flood

LOW MTR REVS (start): \_\_\_\_\_ (end): \_\_\_\_\_ (diff): \_\_\_\_\_

LOW MTR TIME (in water): \_\_\_\_\_ (out): \_\_\_\_\_ (diff): \_\_\_\_\_

REVS/MIN: \_\_\_\_\_ SPEED: \_\_\_\_\_

COMMENTS ON CURRENT: \_\_\_\_\_

BUCKET TEMPERATURE °C: N/A

SALINITY BOTTLE NUMBER: 517 FIELD SALINITY: \_\_\_\_\_

(leave blank)

REMARKS (problems with equipment, etc.):

San Jose project has thermometer



CORPS OF ENGINEERS PROJECT DALW07-C-0049  
SAN PABLO - CHIPPS ISLAND  
GROUND TRUTH DATA SHEET

TIAL \_\_\_\_\_

STATION (spell out): Carguinez STATION NO. 2

CALIFORNIA

CALENDAR DATE: MONTH (spell out): June DAY 2 YEAR 1980

(leave blank)

CALIFORNIA ARRIVAL TIME: 0812 DEPARTURE TIME: 0845

TASKS ACCOMPLISHED ON THIS STATION VISIT: fly by

PHYSICAL DATA:

DIRECTION TOWARD WHICH CURRENT IS FLOWING (degrees magnetic): 260

TIME: 0815 EBB OR FLOOD?: ebb

FLOW MTR REVS (start): 973600 (end): 974210 (diff): 610

MTR TIME (in water): 0814 (out): 0819 (diff): 5 min

MS/MIN: \_\_\_\_\_ SPEED: \_\_\_\_\_

MENTS ON CURRENT: minimal

BUCKET TEMPERATURE °C: 16.0

SALINITY BOTTLE NUMBER: 511 FIELD SALINITY: \_\_\_\_\_

(leave blank)

REMARKS (problems with equipment, etc.):



CORPS OF ENGINEERS PROJECT DACW07-C-0049  
SAN PABLO - CHIPPS ISLAND  
GROUND TRUTH DATA SHEET

TIAL \_\_\_\_\_

STATION (spell out): Benicia STATION NO. 31

CALIFORNIA

CALENDAR DATE: MONTH (spell out): JUNE DAY 2 YEAR 1980

(leave blank)

CALIFORNIA ARRIVAL TIME: 0914 DEPARTURE TIME: 0950

TASKS ACCOMPLISHED ON THIS STATION VISIT: change batteries + tapes

PHYSICAL DATA:

DIRECTION TOWARD WHICH CURRENT IS FLOWING (degrees magnetic): 214°

TIME: 0914 EBB OR FLOOD?: EBB

FLOW MTR REVS (start): 974210 (end): 985207 (diff): \_\_\_\_\_

MTR TIME (in water): 0916 (out): 0921 (diff): 5 min

REVS/MIN: \_\_\_\_\_ SPEED: \_\_\_\_\_

REMARKS ON CURRENT: strong

BUCKET TEMPERATURE °C: 16

SALINITY BOTTLE NUMBER: 508 FIELD SALINITY: \_\_\_\_\_

(leave blank)

REMARKS (problems with equipment, etc.):



CORPS OF ENGINEERS PROJECT DACW07-C-0049  
SAN PABLO - CHIPPS ISLAND  
GROUND TRUTH DATA SHEET

TIAL \_\_\_\_\_

STATION (spell out): Port Chicago STATION NO. 4

CALIFORNIA

CALENDAR DATE: MONTH (spell out): JUNE DAY 2 YEAR 1980

(leave blank)

CALIFORNIA ARRIVAL TIME: 1026 DEPARTURE TIME: 1045

TASKS ACCOMPLISHED ON THIS STATION VISIT: change batteries + tapes

PHYSICAL DATA:

DIRECTION TOWARD WHICH CURRENT IS FLOWING (degrees magnetic): 255

TIME: \_\_\_\_\_ EBB OR FLOOD?: EBB

FLOW MTR REVS (start): 985200 (end): 996630 (diff): \_\_\_\_\_

MTR TIME (in water): 0922 (out): 0927 (diff): 5min

EVS/MIN: \_\_\_\_\_ SPEED: \_\_\_\_\_

MENTS ON CURRENT: Strong

BUCKET TEMPERATURE °C: 17

SALINITY BOTTLE NUMBER: 519 FIELD SALINITY: \_\_\_\_\_

(leave blank)

REMARKS (problems with equipment, etc.):



CORPS OF ENGINEERS PROJECT DACW07-C-0049  
SAN PABLO - CHIPPS ISLAND  
GROUND TRUTH DATA SHEET

TIAL \_\_\_\_\_

STATION (spell out): Chipps Island STATION NO. 5

CALIFORNIA

CALENDAR DATE: MONTH (spell out): JUNE DAY 2 YEAR 1980

(leave blank)

CALIFORNIA ARRIVAL TIME: 1105 DEPARTURE TIME: 1140

TASKS ACCOMPLISHED ON THIS STATION VISIT: change batteries + tapes

PHYSICAL DATA:

DIRECTION TOWARD WHICH CURRENT IS FLOWING (degrees magnetic): 220

TIME: 1105 EBB OR FLOOD?: EBB

FLOW MTR REVS (start): 996666 (end): \_\_\_\_\_ (diff): \_\_\_\_\_

MTR TIME (in water): 1111 (out): 1119 (diff): 8

EVS/MIN: \_\_\_\_\_ SPEED: \_\_\_\_\_

MENTS ON CURRENT: strong

BUCKET TEMPERATURE °C: 17.5

SALINITY BOTTLE NUMBER: 001 FIELD SALINITY: \_\_\_\_\_

(leave blank)

REMARKS (problems with equipment, etc.):



CORPS OF ENGINEERS PROJECT DACW07-C-0049  
SAN PABLO - CHIPPS ISLAND  
GROUND TRUTH DATA SHEET

TIAL \_\_\_\_\_

STATION (spell out): Grizzley Bay STATION NO. 6

CALIFORNIA

CALENDAR DATE: MONTH (spell out): JUNE DAY 2 YEAR 1980

(leave blank)

CALIFORNIA ARRIVAL TIME: 1208 DEPARTURE TIME: 1310

TASKS ACCOMPLISHED ON THIS STATION VISIT: change batteries + tapes

PHYSICAL DATA:

DIRECTION TOWARD WHICH CURRENT IS FLOWING (degrees magnetic): \_\_\_\_\_

TIME: \_\_\_\_\_ EBB OR FLOOD?: \_\_\_\_\_

FLOW MTR REVS (start): ~~015133~~ (end): \_\_\_\_\_ (diff): \_\_\_\_\_

MTR TIME (in water): \_\_\_\_\_ (out): \_\_\_\_\_ (diff): \_\_\_\_\_

EVS/MIN: \_\_\_\_\_ SPEED: \_\_\_\_\_

MENTS ON CURRENT: mild - none

BUCKET TEMPERATURE °C: 18.5

SALINITY BOTTLE NUMBER: 002 FIELD SALINITY: \_\_\_\_\_

(leave blank)

REMARKS (problems with equipment, etc.):



CORPS OF ENGINEERS PROJECT DACW07-C-0049  
SAN PABLO - CHIPPS ISLAND  
GROUND TRUTH DATA SHEET

TIAL CH

STATION (spell out): CHIPPS STATION NO. 5

CALIFORNIA  
CALENDAR DATE: MONTH (spell out): June DAY 3 YEAR 80

(leave blank)

CALIFORNIA ARRIVAL TIME: 0835 DEPARTURE TIME: 0910

TASKS ACCOMPLISHED ON THIS STATION VISIT: Put in old Benning Records,  
Blue Box check, Nest Clock, Nest Cassette

PHYSICAL DATA:

DIRECTION TOWARD WHICH CURRENT IS FLOWING (degrees magnetic): ~ 250°

TIME: 0855 EBB OR FLOOD?: Strong ebb

FLOW MTR REVS (start): 015548 (end): 026734 (diff):

MTR TIME (in water): 0902 (out): 0908 (diff): 6 min

SVS/MIN: SPEED:

MENTS ON CURRENT: Strong ebb (Wind & tide opposite - 15 KNOTS ±)

BUCKET TEMPERATURE °C: 17.5

SALINITY BOTTLE NUMBER: 003 FIELD SALINITY:

(leave blank)

REMARKS (problems with equipment, etc.):



CORPS OF ENGINEERS PROJECT DACW07-C-0049  
SAN PABLO - CHIPPS ISLAND  
GROUND TRUTH DATA SHEET

TIAL

CRPS.K.

STATION (spell out): SAN PABLO

STATION NO. 01

CALIFORNIA

CALENDAR DATE: MONTH (spell out): JUNE

DAY 20

YEAR 80

(leave blank)

CALIFORNIA ARRIVAL TIME:

0920

DEPARTURE TIME:

1425

TASKS ACCOMPLISHED ON THIS STATION VISIT:

INSTALL STATION

PHYSICAL DATA:

DIRECTION TOWARD WHICH CURRENT IS FLOWING (degrees magnetic):

down channel

ME:

4984

EBB OR FLOOD?:

46031

FLOW MTR REVS (start):

(end):

(diff):

MTR TIME (in water):

2:47

(out):

2 1452

(diff):

EVS/MIN:

SPEED:

COMMENTS ON CURRENT:

Strong db

BUCKET TEMPERATURE °C:

19.1

SALINITY BOTTLE NUMBER:

216

FIELD SALINITY:

(leave blank)

REMARKS (problems with equipment, etc.):

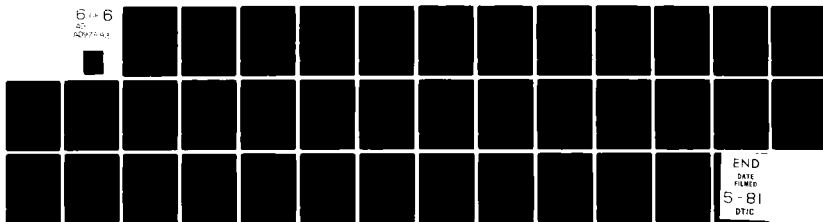


AD-A097 893

KINNETIC LABS INC SANTA CRUZ CA  
IN-SITU FIELD DATA GATHERING STATIONS, SAN FRANCISCO BAY-DELTA,--ETC(U)  
MAR 81  
KLI-81-1-APP-12  
DACW07-78-C-0049  
NL

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CORPS OF ENGINEERS PROJECT DACW07-C-0049  
SAN PABLO - CHIPPS ISLAND  
GROUND TRUTH DATA SHEET

126

121

TIAL CR

STATION (spell out): CARDUINEZ STATION NO. 2

CALIFORNIA

CALENDAR DATE: MONTH (spell out): JUNE DAY 20 YEAR 80

(leave blank)

CALIFORNIA ARRIVAL TIME: 0755 DEPARTURE TIME: 0835

TASKS ACCOMPLISHED ON THIS STATION VISIT: FLY BY

PHYSICAL DATA:

DIRECTION TOWARD WHICH CURRENT IS FLOWING (degrees magnetic): TIDE SLACK

TIME: 0800 EBB OR FLOOD?: SLACK

LOW MTR REVS (start): SLACK WATER (diff):

MTR TIME (in water): (out): (diff):

REVS/MIN: SPEED:

COMMENTS ON CURRENT: SLACK

BUCKET TEMPERATURE °C: 14.3

SALINITY BOTTLE NUMBER: 310 FIELD SALINITY:

(leave blank)

REMARKS (problems with equipment, etc.):



CORPS OF ENGINEERS PROJECT DACW07-C-0049  
SAN PABLO - CHIPPS ISLAND  
GROUND TRUTH DATA SHEET

TIAL CR

STATION (spell out): Bonita STATION NO. 3

CALIFORNIA  
CALENDAR DATE: MONTH (spell out): June DAY 20 YEAR 80

(leave blank)

CALIFORNIA ARRIVAL TIME: 0600 DEPARTURE TIME: 0725

TASKS ACCOMPLISHED ON THIS STATION VISIT: Fly By

PHYSICAL DATA:

DIRECTION TOWARD WHICH CURRENT IS FLOWING (degrees magnetic): 40°

TIME: 0615 EBB OR FLOOD?: Slight flood

FLOW MTR REVS (start): 034650 (end): 035001 (diff):

MTR TIME (in water): 6:15 (out): 6:20 (diff):

VS/MIN: SPEED:

MENTS ON CURRENT: Still barely flowing ~ Almost high slack

UCKET TEMPERATURE °C: 18.8

SALINITY BOTTLE NUMBER: 19 FIELD SALINITY:

(leave blank)

REMARKS (problems with equipment, etc.):



1, 121.  
 2, 138  
 3, 101  
 4, 118  
 5, 74  
 6, 26

578 cm

±3

TOTAL DISTANCE m  
 FROM UPPER MOUNT  
 PETER MARK TO TOWILL  
 MARK SAN PABLO +  
 RECORDED BY CONRAD RECKSIER  
 AND SEAN KINNEY  
 20 JUNE 1980



CORPS OF ENGINEERS PROJECT DACW07-C-0049  
SAN PABLO - CHIPPS ISLAND  
GROUND TRUTH DATA SHEET

TIAL CR

STATION (spell out): PORT CHICAGO STATION NO. 4

CALIFORNIA  
CALENDAR DATE: MONTH (spell out): JUNE DAY 19 YEAR 80

(leave blank)

CALIFORNIA ARRIVAL TIME: 1630 DEPARTURE TIME: 1735

TASKS ACCOMPLISHED ON THIS STATION VISIT: Fly By

PHYSICAL DATA:

DIRECTION TOWARD WHICH CURRENT IS FLOWING (degrees magnetic): CURRENT IS SLACK

TIME: 1645 EBB OR FLOOD?: SLACK

FLOW MTR REVS (start): 032287 (end): 34657 (diff):

MTR TIME (in water): 4:55 (out): 5:00 (diff):

REVS/MIN: SPEED:

COMMENTS ON CURRENT: SLACK, BUT WIND VERY STRONG 240°

BUCKET TEMPERATURE °C: 20.3

SALINITY BOTTLE NUMBER: 226 FIELD SALINITY:

(leave blank)

REMARKS (problems with equipment, etc.):



CORPS OF ENGINEERS PROJECT DACW07-C-0049  
SAN PABLO - CHIPPS ISLAND  
GROUND TRUTH DATA SHEET

AL CR & SK.

STATION (spell out): Chippa Is. STATION NO. 5

CALIFORNIA

CALENDAR DATE: MONTH (spell out): JUNE DAY 19 YEAR 80

(leave blank)

CALIFORNIA ARRIVAL TIME: 1500 DEPARTURE TIME: 1605

TASKS ACCOMPLISHED ON THIS STATION VISIT: Fly By

PHYSICAL DATA:

DIRECTION TOWARD WHICH CURRENT IS FLOWING (degrees magnetic): 260°

TIME: ~ 1530 EBB OR FLOOD?: ebb

FLOW MTR REVS (start): 026746 (end): 032246 (diff):

( MTR TIME (in water): 3'25 (out): 3'30 (diff):

EVS/MIN: SPEED:

MENTS ON CURRENT:

BUCKET TEMPERATURE °C: 20.0 20.1

SALINITY BOTTLE NUMBER: 219 FIELD SALINITY:

(leave blank)

REMARKS (problems with equipment, etc.):



CORPS OF ENGINEERS PROJECT DACW07-C-0049  
SAN PABLO - CHIPPS ISLAND  
GROUND TRUTH DATA SHEET

TIAL CR

STATION (spell out): GR12247 BAY STATION NO. 6

CALIFORNIA  
CALENDAR DATE: MONTH (spell out): JUNE DAY 19 YEAR 80

(leave blank)

CALIFORNIA ARRIVAL TIME: 1325 DEPARTURE TIME: 1415

TASKS ACCOMPLISHED ON THIS STATION VISIT: Fly Bay

PHYSICAL DATA:

DIRECTION TOWARD WHICH CURRENT IS FLOWING (degrees magnetic): \_\_\_\_\_

TIME: \_\_\_\_\_ EBB OR FLOOD?: \_\_\_\_\_

FLOW MTR REVS (start): \_\_\_\_\_ (end): \_\_\_\_\_ (diff): \_\_\_\_\_

MTR TIME (in water): \_\_\_\_\_ (out): \_\_\_\_\_ (diff): \_\_\_\_\_

FVS/MIN: \_\_\_\_\_ SPEED: \_\_\_\_\_

COMMENTS ON CURRENT: \_\_\_\_\_

BUCKET TEMPERATURE °C: 21.0°

SALINITY BOTTLE NUMBER: 308 FIELD SALINITY: \_\_\_\_\_

(leave blank)

REMARKS (problems with equipment, etc.):



**Ground Truth Data Summary Sheets**



CORPS OF ENGINEERS PROJECT DACW07-78-C-0049  
GROUND TRUTH SUMMARY

no. 2

Station No.	Julian Day	Interrog. Time (GMT)	Meter Level, ID	Conductiv.	Temp.	Calculated Salinity	Field GMT	Sample Salinity	Temp.
1 San Pablo	37	2010	1 0.6	25.13	9.9	22.158	2037	Ø	Ø
			2 0.8	26.42	9.98	23.361			
			3 0.9	28.12	9.72	25.204			
2 Carguinez	46	0110	1 0.2	18.36	10.54	15.430	0115	15.4	10.8
			2 1.4	18.78	10.57	15.803			
			3 1.0	18.48	10.6	15.515			
3 Benicia	40	2125	1 1.5	13.6	9.3	11.512	2135	7.7	10.0
			2 0.5	15.88	9.35	13.610			
			3 0.4	16.00	9.40	13.703			
4 Pt Chicago	45	2145	1 0.7	3.8	9.84	2.879	2145	2.4	10.7
			2 0.1	3.98	9.82	3.026			
			3 1.2	4.4	9.96	3.355			
5 Chippis Is.	45	2057	1 0.3	1.4	9.9	↖ .976	2100	1.3	10.3
			2 1.7	1.4	10.1	↘ .970			
			3 1.6	1.4	10.2	.967			
6 Grizzly Bay	41	0050	1.3	1.69	8.94	1.234	0055	0.8	12.0



CORPS OF ENGINEERS PROJECT DACW07-78-C-0049  
GROUND TRUTH SUMMARY

1111.2

Station No.	Julian Day	Interrog. Time (GMT)	Meter Level, ID	Conductiv.	Temp.	Calculated Salinity	Field GMT	Sample Salinity	Temp.
1 Superficial	57	1925	1 0.6	3.1	10.35	2.283	1950	1.3	ø
			2 0.8	4.8	10.42	2.136			
			3 0.9	9.7	10.30	4.735			
2 Core	59	1835	1 0.2	.25	10.11	.097	1835	1.3	ø
			2 1.4	.25	10.13	.097			
			3 1.0	.25	10.10	.107			
3 Bottom	59	1716	1 1.5	.20	10.4	.058	1915	0.6	ø
			2 0.5	.18	10.32	.044			
			3 0.4	.19	10.4	.051			
4 Pebbles	59	2005	1 2.1	.15	10.31	.121	2000	0.6	ø
			2 2.1	.15	10.07	.022			
			3 1.2	.14	10.19	.014			
5 Shells	59	2035	1 0.3	.12	9.68	5.251	2020	0.4	ø
			2 1.7	.13	9.57	...			
			3 1.6	.12	9.70	.001			
6 Sandy	59	2134	1 1.3	.14	9.91	.015	2124	0.5	ø



CORPS OF ENGINEERS PROJECT DACW07-78-C-0049  
GROUND TRUTH SUMMARY

no 2

Station No.	Julian Day	Interrog. Time (GMT)	Meter Level, ID	Conductiv.	Temp.	Calculated Salinity	Field GMT	Sample Salinity	Temp.
1 San Blas	78	2035	1 0.6	20.4	12.64	16.362	2035	7.18	14.1
			2 0.8	24.15	12.46	19.786			
			3 1.1	24.53	12.77	17.763			
2 San Blas	79	2010	1 0.2	9.35	13.36	6.872	2000	5.26	8
			2 1.4	11.02	13.40	8.179			
			3 1.0	15.43	13.35	11.534			
3 San Blas	79	1855	1 1.5	7.20	13.13	5.219	1416	2.68	15.3
			2 0.5	10.22	13.10	9.619			
			3 0.4	15.90	12.78	12.178			
4 San Blas	79	1815	1 6.7	.37	13.96	.161	1800	0.15	14.4
			2 0.1	.36	13.97	.154			
			3 1.2	.33	14.13	.133			
5 San Blas	79	1905	1 0.3	.20	14.98	.042	1915	0.08	14.5
			2 1.7	.20	14.43	.044			
			3 0.9	.19	13.61	.040			
6 San Blas	79	2050	1 1.3	.20	13.9	.046	2035	2.19	16.5



CORPS OF ENGINEERS PROJECT DACW07-78-C-0049  
GROUND TRUTH SUMMARY

Station No.	Julian Day	Interrog. Time (GMT)	Meter Level, ID	Conductiv.	Temp.	Calculated Salinity	Field GMT	Sample Salinity	Temp.
1 San Pablo	94	1725	1 0.6	15.8	14.1	11.908	1418	7.6	15.5
			2 0.8	22.8	13.2	23.554			
			3 1.1	29.5	13.4	24.060			
2 Carpenter	94	1825	1 0.2	40	12.54	5.143	1833	3.7	15.
			2 3.4	7.39	14.64	5.162			
			3 1.0	12.15	14.56	11.972			
3 Benicia	94	1925	1 0.5	2.6	15.2	1.661	1912	1.6	15.
			2 0.5	4.8	14.1	3.230			
			3 2.4	14.6	14.4	10.841			
4 H. Chippis	94	2000	1 0.0	0.21	14.7	1.049	2015	1.08	15.2
			2 0.1	0.21	14.9	1.049			
			3 1.6	0.21	14.9	1.049			
5 Chippis Is	94	2003	1 0.3	2.20	14.15	1.043	2100	1.09	15.0
			2 1.4	0.20	14.05	1.042			
			3 0.4	1.00	14.2	1.045			
6 Grizzly Bay	94	2104	1 0.3	0.24	15.31	1.048	2143	0.1	18.2



CORPS OF ENGINEERS PROJECT DACW07-78-C-0049  
GROUND TRUTH SUMMARY

110.3

Station No.	Julian Day	Interrog. Time (GMT)	Meter Level, ID	Conductiv.	Temp.	Calculated Salinity	Field GMT	Sample Salinity	Temp.
1 Corbett's	109	1855	1 0.6	22.13	14.2	15.193	2055	13.86	15.5
			2 0.5	23.7	13.97	18.489			
			3 1.1	27.5	13.12	21.037			
2 Cargum's	109	2255	1 0.2	7.45	14.81	5.184	2337	14.46	15.0
			2 1.4	7.28	14.94	5.040			
			3 1.0	9.45	14.90	5.172			
3 Bancroft	110	1405	1 1.5	8.75	14.3	6.244	1845	6.14	5.5
			2 0.5	19.06	14.52	14.459			
			3 0.4	17.63	19.5	12.179			
4 Pt Chicago	110	2000	1 2.07	0.60	15.66	1.902	0155 11	0.33	15.9
			2 2.67	0.64	15.4	1.528			
			3 1.6	0.60	15.67	1.322			
5 Clippys Is	110	2035	1 0.2	3.37	15.06	2.288	0110	0.27	15.8
			2 1.1	0.55	15.4	2.271			
			3 1.7	0.55	14.57	2.250			
6 Grizzly Bay	111	0250	1 1.3	0.42	15.46	1.517	0230	0.77	15.6



CORPS OF ENGINEERS PROJECT DACW07-78-C-0049  
GROUND TRUTH SUMMARY

110.4

Station No.	Julian Day	Interrog. Time (GMT)	Meter Level, ID	Conductiv.	Temp.	Calculated Salinity	Field GMT	Sample Salinity	Temp.
1 San Pablo	122	1620	1 0.6	32.18	15.7	19.060	1630	Ø	16.0
			2 0.8	30.94	14.88	24.407			
			3 1.1	31.46	15.18	24.671			
2 Carquinez	122	1716	1 0.2	17.5	15.2	12.619	1720	Ø	16.0
			2 1.2	17.68	15.30	12.729			
			3 1.0	17.71	15.35	12.769			
3 Benicia	122	1816	1 1.5	13.75	15.52	9.519	1825	Ø	16.8
			2 0.5	12.62	15.15	8.850			
			3 0.4	14.65	16.06	10.431			
4 Pt. Chicago	122	1914	1 0.7	3.77	16.69	2.385	1925	Ø	19.0
			2 0.1	0.08	16.64	- .039			
			3 1.6	4.46	16.57	2.863			
5 Chippewa	122	2033	1 0.3	0.14	16.87	-1.001	2014	Ø	17.2
			2 1.7	1.30	17.24	1.542			
			3 0.9	0.92	16.12	5.39			
6 Grizzly Bay	122	2017	1 1.3	3.94	16.13	2.473	2119	Ø	18.5



CORPS OF ENGINEERS PROJECT DACW07-78-C-0049  
GROUND TRUTH SUMMARY

mo. 4

Station No.	Julian Day	Interrog. Time (GMT)	Meter Level, ID	Conductiv.	Temp.	Calculated Salinity	Field GMT	Sample Salinity	Temp.
1 San Pablo	138						1510	19.62	17.2
			blue box wet						
2 Carguinez	137	2002	1 1.0	16.38	17.9	11.256	2000	10.37	18.4
			2 0.1	15.7	17.9	10.747			
			3 2.0	16.4	18.0	10.498			
3 Benicia	137	2135	1 1.5	6.7	18.8	4.327	2140	4.285	19.2
			2 0.5	7.34	18.7	4.634			
			3 0.4	7.78	18.76	4.926			
4 Chicago	137	2305	1 0.7	1.2	19.4	6.33	2310	0.648	19.8
			2 1.7	1.2	19.3	6.35			
			3 1.6	1.2	19.3	6.35			
5 Chippewas	138	0135	1 0.3	1.74	20.3	9.42	0130	0.845	21.0
			2 1.4	1.75	20.75	9.38			
			3 0.9	1.14	19.6	9.77			
6 Grizzly Bay	138	0223	1 1.3	5.96	19.25	3.659	0215	3.624	19.8



CORPS OF ENGINEERS PROJECT DACW07-78-C-0049  
GROUND TRUTH SUMMARY

100.5

Station No.	Julian Day	Interrog. Time (GMT)	Meter Level, ID	Conductiv.	Temp.	Calculated Salinity	Field GMT	Sample Salinity	Temp.
1 San Pablo	151	1640	1 0.6	26.59	18.8	18.733	1940	15.244	20.2
			2 101:	-	-	-			
			3 1.1	324	17.7	23.932			
2 Carguinez	151	1740	1 0.2	16.98	19.0	11.399	1740	11.358	19.4
			2 0.1	16.35	17.02	10.933			
			3 1.0	16.27	17.03	10.872			
3 Bancroft	151	1825	1 1.5	9.82	19.50	6.193	1825	6.320	20.0
			2 0.5	9.99	19.72	5.692			
			3 0.4	10.3	19.4	6.562			
4 Pt Chicago	151	1940	1 0.7	0.88	20.8	4.22	1915	0.524	21.1
			2 1.4	0.82	20.8	4.17			
			3 1.6	0.86	20.78	4.11			
5 Chippewa	151	2045	1 0.3	0.22	17.85	5.040	2050	0.060	20.8
			2 1.2	0.23	20.35	4.044			
			3 0.9	0.21	18.94	4.037			
6 Cimely Bay	151	2150	1 1.3	1.47	21.3	7.61	2145	1.11	21.8



CORPS OF ENGINEERS PROJECT DACW07-78-C-0049  
GROUND TRUTH SUMMARY

no. 5

Station No.	Julian Day	Interrog. Time (GMT)	Meter Level, ID	Conductiv.	Temp.	Calculated Salinity	Field GMT	Sample Salinity	Temp.
1 San Pedro	166	1335	1 0.6	33.6	14.73	24.897	1614	24.897	18.0
			2 1.2	35.85	14.41	29.964			
			3 1.1	36.38	14.6	27.274			
2 Carguinez	164	1640	1 0.2	22.62	20.1	15.201	1635	14.506	20.5
			2 0.1	22.08	20.11	14.800			
			3 1.0	24.50	20.12	16.588			
3 Benicia	164	2000	1 1.5	11.02	21.22	6.764	1950	7.133	22.0
			2 0.5	10.79	21.15	6.622			
			3 0.4	11.16	20.8	6.924			
4 Pt Chicago	165	1710	1 0.7	9.0	20.8	5.490	740	5.153	21.2
			2 1.4	10.0	20.8	6.150			
			3 1.6	10.65	20.76	6.589			
5 Chico Bay	165	2130	1 0.3	4.2	21.7	2.365	2120	2.214	22.5
			2 1.7	4.15	22.35	2.311			
			3 2.9	4.0	21.0	2.291			
6 Chico Bay	165	1835	1 1.3	4.29	20.5	5.857	1830	5.857	20.0



CORPS OF ENGINEERS PROJECT DACW07-78-C-0049  
GROUND TRUTH SUMMARY

m.0.6

Station No.	Julian Day	Interrog. Time (GMT)	Meter Level, ID	Conductiv.	Temp.	Calculated Salinity	Field GMT	Sample Salinity	Temp.
1	178	1643	1 0.6	30.0	18.23	21.697	1635	21.426	18.0
2	178		2 1.2	30.05	18.23	21.737			
3	178		3 1.1	29.92	18.67	21.404			
4	178	1758	1 0.2	20.67	18.67	14.248	1745	15.3	19
5	178		2 0.1	20.37	18.68	—			
6	178		3 1.0	21.32	18.70	14.730			
7	178	1855	1 1.5	22.35	17.17	8.015	1745	7.854	19
8	178		2 0.5	12.25	17.10	7.957			
9	178		3 0.4	12.60	17.16	8.208			
10	178	2112	1 0.7	4.12	20.4	2.348	2104	2.451	21
11	178		2 1.4	4.11	20.3	2.592			
12	178		3 1.6	4.15	20.35	2.420			
13	178	2207	1 0.3	4.02	20.75	2.217	2100	2.103	21.2
14	178		2 1.0	30.21	80.1	15.601			
15	178		3 0.4	20.4	19.12	2.134			
16	178	2258	1 1.3	5.02	19.27	5.501	2007	5.110	20.4



CORPS OF ENGINEERS PROJECT DACW07-78-C-0049  
GROUND TRUTH SUMMARY

NO 6

Station No.	Julian Day	Interrog. Time (GMT)	Meter Level, ID	Conductiv.	Temp.	Calculated Salinity	Field GMT	Sample Salinity	Temp.
1	198	2313	1	0.2	21.00	8.825	2314	13.707	21.5
2	198	2313	1	0.2	21.00	8.825	2314	13.707	21.5
3	194	1712	1	0.5	20.85	10.080	1415	13.305	21
4	194	2329	3	0.4	20.5	9.819			
5	199	1732	1	0.8	21.0	3.250	1700	5.571	22.0
6	199	2150	1	1.3	20.87	3.432	2100	7.716	23.0



CORPS OF ENGINEERS PROJECT DACW07-78-C-0049  
GROUND TRUTH SUMMARY

mo. 2

Station No.	Julian Day	Interrog. Time (GMT)	Meter Level, ID	Conductiv.	Temp.	Calculated Salinity	Field GMT	Sample Salinity	Temp.
1 San Pedro	218	1852	1 0.6	32.53	19.7	22.905	1640	22.892	20.0
			2 1.2	34.75	19.47	24.778			
			3 1.1	34.06	19.83	24.026			
2 San Pedro	218	1815	1 1.2	32.26	20.14	13.458	1800	14.701	20.0
			2 0.1	31.15	20.05	14.343			
			3 1.0	31.2	20.01	16.407			
3 San Pedro	218	2215	1 1.5	20.15	14.98	13.428	2215	18.596	22.2
			2 0.5	22.25	14.46	14.978			
			3 0.4	20.70	17.45	13.840			
4 Pt. Chicago	219	0115	1 0.7	2.6	52.51	7.91	0106	8.452	22.2
			2 1.4	13.78	20.88	8.685			
			3 0.5	0.08	3.331	-0.18			
5 Chippewa Is.	218	2345	1 0.8	8.70	21.5	5.209	2330	4.751	22.2
			2 0.3	7.70	20.92	5.735			
			3 1.25	7.57	21.1	5.822			
6 Quincy Bay	219	0450	1 1.3	7.58	21.1	5.832	0435	9.626	21.7



CORPS OF ENGINEERS PROJECT DACW07-78-C-0049  
GROUND TRUTH SUMMARY

no 2

Station No.	Julian Day	Interrog. Time (GMT)	Meter Level, ID	Conductiv.	Temp.	Calculated Salinity	Field GMT	Sample Salinity	Temp.
San Pedro	234	1917	1 0.6	30.85	19.63	21.686	1914	24.285	21
			2 1.7	33.12	19.5	23.477			
			3 1.1	33.78	19.49	24.001			
2	234	2330	1 0.2	32.62	20.25	22.678	2325	22.412	20.5
			2 0.1	29.99	20.24	20.670			
			3 1.0	30.71	20.24	21.372			
3	235	1618	1 1.5	15.10	20.21	9.746	1602	13.348	20.1
			2 0.5	18.01	20.22	11.809			
			3 0.4	13.08	20.2	8.339			
4	236	0210					0200	9.657	21.0
			2 1.4	13.15	20.8	8.271			
5	235	2316	1 0.8	4.4	21.6	2.583	2310	4.823	21.0
			2 1.3	6.0	21.11	3.528			
			3 1.2	4.14	21.5	2.350			
6	235	2025	1 1.3	4.9	20.87	2.856	2030	7.444	20.8



CORPS OF ENGINEERS PROJECT DACW07-78-C-0049  
GROUND TRUTH SUMMARY

Station No.	Julian Day	Interrog. Time (GMT)	Meter Level, ID	Conductiv.	Temp.	Calculated Salinity	Field GMT	Sample Salinity	Temp.
1 San Pablo	260	1105	1 0.6	3428	21.05	23.569	1335	24.800	21.0
			2 1.7	3544	20.56	25.065			
			3 1.1	3545	20.97	24.450			
2 Carpenter	260	1105	1 0.2	2728	21.05	18.016	1745	19.243	22.0
			2 0.1	28.13	21.56	18.675			
			3 1.0	29.06	21.36	19.357			
3 Benicia	261	0105	1 1.5	18.5	21.9	11.902	2040	14.78	22.4
			2 0.5	19.48	21.8	12.351			
			3 0.4	20.09	21.75	13.334			
4 P. Chicago	260	21040					2000	11.201	22.2
			2 1.4	14.05	21.84	9.079			
			3 0.9	15.2	21.04	8.599			
5 Chippewa	260	2310	1 0.8	7.6	22.1	4.444	2245	5.087	22.8
			2 0.3	9.87	22.4	5.846			
			3 1.2	8.20	22.0	4.832			
6 Grand Bay	261	0005	1 3	8.62	22.3	4.938	0000	8.591	22.8



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CORPS OF ENGINEERS PROJECT DACW07-78-C-0049  
GROUND TRUTH SUMMARY

MO. 11

Station No.	Julian Day	Interrog. Time (GMT)	Meter Level, ID	Conductiv.	Temp.	Calculated Salinity	Field GMT	Sample Salinity	Temp.
1 San Diego	307	0150	1 0.6	29.2	16.5	21.974 22.04	0130	21.99	16.8
			2 1.4	29.5	16.5	22.211			
			3 1.1	29.3	16.6	22.105			
2 Carguine	307	0025	1 0.2	27.18	16.48	20.315 20.41	0030	19.79	17.0
			2 1.1	27.33	16.60	20.844			
			3 1.0	27.4	16.22	20.131			
3 Bernia	306	2100	1 1.5	24.6	16.67	13.117 13.21	2035	16.47	17.0
			2 0.5	24.6	16.67	4.599			
			3 0.4	24.3	16.3	✓			
4 San Diego	306	2030	1 0.1	15.25	15.2	11.214 11.26	2010	8.05	16.8
			2 1.4	16.3	15.7	11.532			
			3 1.6	16.5	16.3	11.804			
5 Chippas ls.	306	1830	1 2	4.02	16.8	2.957 2.97	1810	2.17	16.5
			2 2.2	4.08	16.3	3.035			
			3 1.2	3.0	16.1	3.274			
9 Grizel Bay	310	2030	1.3	10.4	15.7	9.346 9.48	110	11.1612	12.12



CORPS OF ENGINEERS PROJECT DACW07-78-0-0049/cl 5-2-79 70.11  
GROUND TRUTH SUMMARY

Station No.	Julian Day	Interrog. Time (GMT)	Meter Level, ID	Conductiv.	Temp.	Calculated Salinity	Field GMT	Sample Salinity	Temp.
1 San Pablo	332	0045	1 0.1	26.1	12.7	21.300 21.35	0040	2	13.0
			2 0.2	29.9	13.1	24.514			
			3 1.1	27.4	13.2	24.358			
2 Carmichael	331	2352	1 0.2	14.4	12.7	11.527			13.0
			2 0.1	14.4	12.7	11.467			
			3 1.0	15.3	13.2	11.908			
3 Benicia	331	2324	1 1.5	11	13	8.230			13.0
			2 0.5	2	13	1.324			
			3 0.3	14.3	12.4	1.041			
4 Pt Chicago	332	2335	1 0.3	3.4	11.1	1.003			13.0
			2 1.4	4.0	12.7	3.420			
			3 0.1	5	10.9	3.500			
5 Chippewas Is.	331	2020	1 1.8	3.1	12.9	1.031			13.0
			2 0.2	3.8	12.6	2.671			
			3 1.2	3.4	13.5	2.754			
6 Grizzly Bay	333	0010	1 1.2	41.5	11.3	3.260			12.3







CORPS OF ENGINEERS PROJECT DACW07-78-C-0049  
GROUND TRUTH SUMMARY

mo. 12

Station No.	Julian Day	Interrog. Time (GMT)	Meter Level, ID	Conductiv.	Temp.	Calculated Salinity	Field GMT	Sample Salinity	Temp.
3	361						1515	16.81	9.5
			blue box broken						
3	361						1252	16.54	9.5
			blue box broken						
3	361								
			blue box broken						
4	361						1454	4.23	9.5
			blue box broken						
5	360	2115		2.22		2.150	2100	2.15	10
			2 10	2.25		2.142			
			3 10	2.15		2.148			
5	360	1743	1 1.3	3.45		5.065	1900	5.17	9.5



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7.2



CORPS OF ENGINEERS PROJECT DACW07-78-C-0049  
GROUND TRUTH SUMMARY

MO, 13

Station No.	Julian Day	Interrog. Time (GMT)	Meter Level, ID	Conductiv.	Temp.	Calculated Salinity	Field GMT	Sample Salinity	Temp.
1 San Pablo	29								
			Station van. utilized.						
2 San Pablo	29	2235	1 02	5.2	4.3	4.085 4.09	2235	4.518	9.3
			2 0.1	5.1	4.4	3.940			
			3 1.0	5.0	4.1	4.442			
3 San Pablo	29	2245	1 1.5	4.2	8.42	.624 .62	2145	4.470	9.0
			2 0.5	4.05	4.0	.354			
			3 0.2	5.0	8.4	3.443 (.50 = 2.94)	7		
4 San Pablo	30	2408	1 0.3	.11	15.1	- .018	2355	- .001	9.9
			2 1.4	.12	8.6	.003			
			3 1.6	.11	8.2	- .004			
5 San Pablo	30	1835	1 1.3	.12	4.7	.005	1812	.311	9.8
			2 0.8	.12	4.5	.006			
			3 1.2	1.3	4.5	(.10 = .004) .004	7		
6 San Pablo	30	2012	1 1.3	.10	8.2	.036	2000	.001	9.6



CORPS OF ENGINEERS PROJECT DACW07-78-C-0049  
GROUND TRUTH SUMMARY

mo 14

Station No.	Julian Day	Interrog. Time (GMT)	Meter Level, ID	Conductiv.	Temp.	Calculated Salinity	Field GMT	Sample Salinity	Temp.
1 San Pedro									
				OUT					
2 Cajon	45	1945	0.0	14.8	10.3	12.108 12.12	1945	10.8	10.8
			3 1.1	14.6	11.3	16.234 16.26			
			4 1.0	20.8	10.3	12.515			
3 Bermuda	45	1945	1 1.5	15.3	11.1	12.939 12.99	1945	10.8	11.0
			2 0.3	2.2	11.1	1.551			
			3 0.4	14.3	11.1	14.304			
4 14 Chicago	45	2044	1 0.3	3.0	8.5	5.692 5.71	2044	4.4	10.4
			2			6.610			
			3	2.3	11.3	6.622			
5 Chippewas	45	2131	1 1.3	1.3	11.1	1.891 1.89	2135	1.40	10.0
			2 0.8	3.0	11.1	2.055			
			3 1.2	"	11.1	3.112			
6 Chippewas Bay	45	2135	1 1.3	3.0	11.1	2.348 2.38	2218	2.31	10.2



CORPS OF ENGINEERS PROJECT DACW07-78-C-0049  
GROUND TRUTH SUMMARY

no. 14

Station No.	Julian Day	Interrog. Time (GMT)	Meter Level, ID	Conductiv.	Temp.	Calculated Salinity	Field GMT	Sample Salinity	Temp.
San Pedro									
				OUT					
2	58	0010	1 0.2	.13	15.0	.004	0040	-.01	12.0
			2 1.7	.14	15.0	.011			
			3 1.0	.14	15.0	.012			
3	58	2210	1 1.5	.13	15.0	.003	2220	-.03	12.1
			2 1.7	.13	15.0	.003			
			3 2.2	.13	15.0	.004			
4	58						missing salinity sample		
P4 Chicago									
5	58	1435	1 1.8	.12	12.0	-.005	1450	-.004	12.2
			2 0.8	.13	12.0	.003			
			3 1.2	.12	12.0	.004			
	59	2310	1 1.3	.11	11.0	-.011			12.4



CORPS OF ENGINEERS PROJECT DACW07-78-C-0049  
GROUND TRUTH SUMMARY

mo. 15

Station No.	Julian Day	Interrog. Time (GMT)	Meter Level, ID	Conductiv.	Temp.	Calculated Salinity	Field GMT	Sample Salinity	Temp.
1 San Pablo	72	055							
2 Cajonera	72	135	1	175	22.20	1.168 1.17	1943	3.25	12.3
3 Benicia	72	1905	1	15	2.04	1.112			
4 P4 Chicago	72	2035	1	100	2.14	3.49	2043	.00	2.0
5 Chicago Is	72	2305	1	100	2.14	1.009	2315	7.003	2.5
6 San Pablo	73	1005	1	15	12.40	1.015	1015	1.000	12.2



CORPS OF ENGINEERS PROJECT DACW07-78-C-0049  
GROUND TRUTH SUMMARY

Station No.	Julian Day	Interrog. Time (GMT)	Meter Level, ID	Conductiv.	Temp.	Calculated Salinity	Field GMT	Sample Salinity	Temp.
1 San Pedro	81	0040	1 1.5	probably wrong see Field Notes	12.10	3.534			
			2 1.0	12.10	12.04	15.200			
			3 1.0	12.10	12.03	19.528			
2 Carguinez	85	0000	blue box broken				2330 84	2.293	12.4
3 Benicia	84		blue box broken				1225	1.319	12.2
4 San Juan	84		blue box broken				2025	.018	12.2
5 San Juan	84		blue box broken				2023	.014	11.8
6 San Juan	85	1735	1 1.3	1.7	12.10	1.136	12.18	.015	12.0



CORPS OF ENGINEERS PROJECT DACW07-78-C-0049  
GROUND TRUTH SUMMARY

Station No.	Julian Day	Interrog. Time (GMT)	Meter Level, ID	Conductiv.	Temp.	Calculated Salinity	Field GMT	Sample Salinity	Temp.
1 San Pablo	101	1709	1 1.5	26.05	12.24	21.614	1400	11.565	13.5
			2 0.1	28.84	11.99	24.447			
			3 1.0	30.32	11.72	25.931			
2 Carpenter	101	~1800	1 0.2	14.78	13.42	11.371	1800	10.947	13.8
			2 1.9	15.6	13.53	11.920			
			3 0.1	16.90	12.22	13.047			
3 Bancroft	101	1907	1 0.3	10.14	11.30	6.545	1904	3.648	14.2
			2 0.5	14.31	13.34	10.842			
			3 0.2	15.12	12.31	13.246			
4 St. Charles	101	2005	1 0.6	3.10	14.01	2.134	2000	.166	15.0
			2 1.4	4.04	15.95	3.413			
			3 1.6	5.70	13.54	4.015			
5 Chippewas	101	2145	1 1.8	.16	14.32	.018	2055	.023	14.6
			2 0.9	.16	13.05	.015			
			3 1.2	.16	12.50	.019			
6 Grizzly Bay	101	2242	1 1.3	.22	15.20	.151	2240	.052	16.5



CORPS OF ENGINEERS PROJECT DACW07-78-C-0049  
GROUND TRUTH SUMMARY

11-17-78

Station No.	Julian Day	Interrog. Time (GMT)	Meter Level, ID	Conductiv.	Temp.	Calculated Salinity	Field GMT	Sample Salinity	Temp.
1 San Pablo	121								
				no blue box values			no ground truth		
				station dismantled,					
2 Carpenter	119	2125	1 0.2	21.69	15.08	15.432	2110	4.72	15.8
			2 1.4	22.04	15.13	16.665			
			3 1.2	21.26	15.34	16.206			
3 Bancía	121	2045	1 1.5	7.20	15.38	4.804	2045	2.52	17.4
			2 0.5	9.58	15.20	5.099			
			3 0.5 (0.5)	9.33	15.54	4.724			
4 Pt. Chicago	121	20315	1 0.2	2.88	15.30	3.78	2140	1.47	15.8
			2 1.4	2.33	15.30	1.814			
			3 1.1	2.82	15.33	1.126			
5 Chapala Is.	122	0005	1 1.8	.36	18.31	13.1	0010	5.088	18.0
			2 0.7 (0.8)	.36	17.85	13.3			
			3 1.2	.36	17.67	13.4			
6 Tribal Bay	122	0104	1 1.3	1.68	17.44	3.25	0100	5.530	17.8



CORPS OF ENGINEERS PROJECT DACW07-78-C-0049  
GROUND TRUTH SUMMARY

Station No.	Julian Day	Interrog. Time (GMT)	Meter Level, ID	Conductiv.	Temp.	Calculated Salinity	Field GMT	Sample Salinity	Temp.
- Station out -									
2	134	0135	12	2.50	18.0	2.517	1800	2.50	
3	140	1820	12	4.20	20.0	2.512	1800	2.51	
4	138	0105	12	2.85	18.0	2.508	1800	2.508	
5	139	0015	12	2.25	18.0	2.504	1800	2.504	
6	141	0115	12	2.85	18.0	2.508	1800	2.508	
7	142	0115	12	2.85	18.0	2.508	1800	2.508	
8	143	0115	12	2.85	18.0	2.508	1800	2.508	
9	144	0115	12	2.85	18.0	2.508	1800	2.508	
10	145	0115	12	2.85	18.0	2.508	1800	2.508	
11	146	0115	12	2.85	18.0	2.508	1800	2.508	
12	147	0115	12	2.85	18.0	2.508	1800	2.508	
13	148	0115	12	2.85	18.0	2.508	1800	2.508	
14	149	0115	12	2.85	18.0	2.508	1800	2.508	
15	150	0115	12	2.85	18.0	2.508	1800	2.508	
16	151	0115	12	2.85	18.0	2.508	1800	2.508	
17	152	0115	12	2.85	18.0	2.508	1800	2.508	
18	153	0115	12	2.85	18.0	2.508	1800	2.508	
19	154	0115	12	2.85	18.0	2.508	1800	2.508	
20	155	0115	12	2.85	18.0	2.508	1800	2.508	
21	156	0115	12	2.85	18.0	2.508	1800	2.508	
22	157	0115	12	2.85	18.0	2.508	1800	2.508	
23	158	0115	12	2.85	18.0	2.508	1800	2.508	
24	159	0115	12	2.85	18.0	2.508	1800	2.508	
25	160	0115	12	2.85	18.0	2.508	1800	2.508	
26	161	0115	12	2.85	18.0	2.508	1800	2.508	
27	162	0115	12	2.85	18.0	2.508	1800	2.508	
28	163	0115	12	2.85	18.0	2.508	1800	2.508	
29	164	0115	12	2.85	18.0	2.508	1800	2.508	
30	165	0115	12	2.85	18.0	2.508	1800	2.508	
31	166	0115	12	2.85	18.0	2.508	1800	2.508	
32	167	0115	12	2.85	18.0	2.508	1800	2.508	
33	168	0115	12	2.85	18.0	2.508	1800	2.508	
34	169	0115	12	2.85	18.0	2.508	1800	2.508	
35	170	0115	12	2.85	18.0	2.508	1800	2.508	
36	171	0115	12	2.85	18.0	2.508	1800	2.508	
37	172	0115	12	2.85	18.0	2.508	1800	2.508	
38	173	0115	12	2.85	18.0	2.508	1800	2.508	
39	174	0115	12	2.85	18.0	2.508	1800	2.508	
40	175	0115	12	2.85	18.0	2.508	1800	2.508	
41	176	0115	12	2.85	18.0	2.508	1800	2.508	
42	177	0115	12	2.85	18.0	2.508	1800	2.508	
43	178	0115	12	2.85	18.0	2.508	1800	2.508	
44	179	0115	12	2.85	18.0	2.508	1800	2.508	
45	180	0115	12	2.85	18.0	2.508	1800	2.508	
46	181	0115	12	2.85	18.0	2.508	1800	2.508	
47	182	0115	12	2.85	18.0	2.508	1800	2.508	
48	183	0115	12	2.85	18.0	2.508	1800	2.508	
49	184	0115	12	2.85	18.0	2.508	1800	2.508	
50	185	0115	12	2.85	18.0	2.508	1800	2.508	
51	186	0115	12	2.85	18.0	2.508	1800	2.508	
52	187	0115	12	2.85	18.0	2.508	1800	2.508	
53	188	0115	12	2.85	18.0	2.508	1800	2.508	
54	189	0115	12	2.85	18.0	2.508	1800	2.508	
55	190	0115	12	2.85	18.0	2.508	1800	2.508	
56	191	0115	12	2.85	18.0	2.508	1800	2.508	
57	192	0115	12	2.85	18.0	2.508	1800	2.508	
58	193	0115	12	2.85	18.0	2.508	1800	2.508	
59	194	0115	12	2.85	18.0	2.508	1800	2.508	
60	195	0115	12	2.85	18.0	2.508	1800	2.508	
61	196	0115	12	2.85	18.0	2.508	1800	2.508	
62	197	0115	12	2.85	18.0	2.508	1800	2.508	
63	198	0115	12	2.85	18.0	2.508	1800	2.508	
64	199	0115	12	2.85	18.0	2.508	1800	2.508	
65	200	0115	12	2.85	18.0	2.508	1800	2.508	
66	201	0115	12	2.85	18.0	2.508	1800	2.508	
67	202	0115	12	2.85	18.0	2.508	1800	2.508	
68	203	0115	12	2.85	18.0	2.508	1800	2.508	
69	204	0115	12	2.85	18.0	2.508	1800	2.508	
70	205	0115	12	2.85	18.0	2.508	1800	2.508	
71	206	0115	12	2.85	18.0	2.508	1800	2.508	
72	207	0115	12	2.85	18.0	2.508	1800	2.508	
73	208	0115	12	2.85	18.0	2.508	1800	2.508	
74	209	0115	12	2.85	18.0	2.508	1800	2.508	
75	210	0115	12	2.85	18.0	2.508	1800	2.508	
76	211	0115	12	2.85	18.0	2.508	1800	2.508	
77	212	0115	12	2.85	18.0	2.508	1800	2.508	
78	213	0115	12	2.85	18.0	2.508	1800	2.508	
79	214	0115	12	2.85	18.0	2.508	1800	2.508	
80	215	0115	12	2.85	18.0	2.508	1800	2.508	
81	216	0115	12	2.85	18.0	2.508	1800	2.508	
82	217	0115	12	2.85	18.0	2.508	1800	2.508	
83	218	0115	12	2.85	18.0	2.508	1800	2.508	
84	219	0115	12	2.85	18.0	2.508	1800	2.508	
85	220	0115	12	2.85	18.0	2.508	1800	2.508	
86	221	0115	12	2.85	18.0	2.508	1800	2.508	
87	222	0115	12	2.85	18.0	2.508	1800	2.508	
88	223	0115	12	2.85	18.0	2.508	1800	2.508	
89	224	0115	12	2.85	18.0	2.508	1800	2.508	
90	225	0115	12	2.85	18.0	2.508	1800	2.508	
91	226	0115	12	2.85	18.0	2.508	1800	2.508	
92	227	0115	12	2.85	18.0	2.508	1800	2.508	
93	228	0115	12	2.85	18.0	2.508	1800	2.508	
94	229	0115	12	2.85	18.0	2.508	1800	2.508	
95	230	0115	12	2.85	18.0	2.508	1800	2.508	
96	231	0115	12	2.85	18.0	2.508	1800	2.508	
97	232	0115	12	2.85	18.0	2.508	1800	2.508	
98	233	0115	12	2.85	18.0	2.508	1800	2.508	
99	234	0115	12	2.85	18.0	2.508	1800	2.508	
100	235	0115	12	2.85	18.0	2.508	1800	2.508	



CORPS OF ENGINEERS PROJECT DACW07-78-C-0049  
GROUND TRUTH SUMMARY

110,17

Station No.	Julian Day	Interrog. Time (GMT)	Meter Level, ID	Conductiv.	Temp.	Calculated Salinity	Field GMT	Sample Salinity	Temp.
1									
2	154	1520	02	920	15.11	3.32	1515	16.56	16.0
3	154	1640	1	875	15.22	3.412	1614	16.22	16.0
4	154	1735	1	818	15.55	5.470	1724	17.05	17.0
5	155	1818	3	860	15.50	3.324	1805	16.42	17.5
6	154	1825	13	170	15.55	3.550	1808	16.00	17.8



CORPS OF ENGINEERS PROJECT DACW07-78-C-0049  
GROUND TRUTH SUMMARY

Station No.	Julian Day	Interrog. Time (GMT)	Meter Level, ID	Conductiv.	Temp.	Calculated Salinity	Field GMT	Sample Salinity	Temp.
1 San Diego	172		1	09	not taken		2100	10.96	19.1
			2	14	not taken				
			3	16	not taken				
2 San Diego	172	525	1	104	58.4	3.687	1500	10.66	18.3
			2	164	4.25	5.095			
			3	190	2.67	4.266			
3 San Diego	172	1255	1	1510	4.85	5.000	1315	4.27	18.8
			2	50	12.05	7.943			
			3	558	6.42	4.059			
4 Pittsburg	172	0006	1	509	1.35	1.15	2345 171	0.25	20.3
			2	331	1.36	1.22			
			3	1088	1.36	1.21			
5 Pittsburg	171	2240	1	18.0	2.23	0.441	2230	0.20	20.1
			2	620	1.24	0.52			
			3	1206	2.4	0.52			
6 Pittsburg Bay	171	2030	1	1312	1.80	0.987	2025	1.30	21.0



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